## ASSESSMENT REPORT

OF THE FOUR SOUTHERN TAHSIL'S,

# RUPBAS, OOCHAIN, BIYANA AND BHUSAWAR INCLUDING THE JAGIR OF BALLABGARH.

## BHARATPUR STATE.

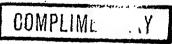
(1899-1900.)

ву

M. F. O'DWYER, Esq., I.C.S.,

SETTLEMENT COMMISSIONER.





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# ASSESSMENT REPORT

OF THE FOUR SOUTHERN TAHSILS,

# RUPBAS, OOCHAIN, BIYANA, AND BHUSAWAR INCLUDING THE JAGIR OF BALLABGARH.

## BHARATPUR STATE.

## CHAPTER I.

This report deals with the four southern tabsils of Bharatpur and will therefore complete the proposals for northern tabsils—Gopalgarh, Pahari, Kama and Dig—were reported on by me the re-assessment of the State. in September 1898, and the assessments having been sanctioned by the Governin September 1090, and the assessments having been sanctioned by the Government of India letter No. 677-I.A., dated 11th March 1899, were announced by me in August last and were willingly accepted by the 429 khalsa estates by me in August last and were willingly accepted by the assigned and the assigned and assigned as a second and by the assigned as a second by me in August 1250 and were minimary accepted by the 425 knaisa estates as concerned, and by the zamindars and mafidars of all the assigned estates as concerned, and by the zaminuars and majorates of an the assigned estates as well with the exception of three villages in which both parties agreed to maintain the old system of fixing the revenue by mutual consent.

A report on the four central tahsils—Kumher, Akhegarh, Bharatpur and Nagar—was submitted by me in July 1899, and sanction to the proposals having been accorded by the Government of India letter No. 2976-I.A., dated 13th Deen accorded by the Government of India 1800. 2510-1.A., uated 18th October, the village assessments were announced by me in October last, and were ar once accepted by one of the proprietary and mast rights are held by different assigned estates, in which the proprietary and to shide by the Toronto assigned estates. assigned estates, in which the proprietary and man rights are need by university and man rights are need by university and man rights are need by me, persons, in all but six both parties agreed to abide by the Jama fixed by me, and these six decided to maintain the old system.

- The assessments for the eight tahsils (now reduced to seven by the Nagar) took effect from last kharif, but as the harvests of the past year were—at least in those tabsils—the worst on record Effects of the present famine on the new assessments. the narvests of the past year word at loast in those tanshis—the worst on record since the disastrous famine of 1877-78, considerable suspensions of the new since the disastrous ramine of rolling, considerable suspensions of the new demand were given according to the circumstances of each estate, and this comdemand were given according to the circumstances of each estate, and this combined with the liberality shown by the State in remitting all arrears prior to the bined with the liberality shown by the State in remitting all arrears prior to the bined with the inversity shown by the State in remitting an arrears prior to the settlement of 1890, on the occasion of the birth of a son and heir to His. settlement of 1000, on the occasion of the people to such an extent Highness the Maharaja, inspired confidence in the people to such an extent Highness: the manarula, inspired confidence in the people to such an extent that not only were there no desertions of agriculturists as in past famines, but that not only were there and absorters are also as a second and a second an great numbers of deserters and absentees who had held aloof from the land till great numbers of describes and absentoes who had not about from the fand this the revenue policy of the State in the new settlement had declared itself, returned possession of their chandened holdings and settlement. turned and resumed possession of their abandoned holdings and estates.
  - The financial results of the re-assessment of the northern and central table in which space has also been left to add in the figures for the four southern tabsils when complete:

|                        |            |                      |                                |                 | L OF JAMA<br>NOUNCED. |                            | Increi        |                    | <del></del> | ARRE     | ARS.        |          | •  |
|------------------------|------------|----------------------|--------------------------------|-----------------|-----------------------|----------------------------|---------------|--------------------|-------------|----------|-------------|----------|--|
| Tahsil,                |            | Old khalsa<br>demand | Sanctioned .<br>new<br>demand. | Kuat            | gr.                   | Mag.                       | Initial.      | Final.             | Prior to    |          | Since 1690. |          | B  |
|                        |            |                      | Ì                              | 1000            | remitted.             | Totai.                     | Remitted.     | To be<br>realised. |             |          |             |          |  |
| Jopalgarh              | •••        | 2,43,010             | 2,80,000                       | 2,82            | ,925                  | 3,627                      | 39,8          | 85                 | 4,79,611    | 5,840    | 213         | 5,627    |  |
| Pahari                 | •••        | 1,23,717             | 1,38,000                       | 1,38            | ,605<br>;)            | 2,722                      | 14,8          | 333                | 1,15,345    | 11,381   | 4,691       | 6,690    | (a) Excludal Paka  |
| ĭama                   |            | 1,39,264             | 1,57,000                       | 1,67            | ,400                  | 14,964                     | 19,1          | 36                 | 1,69,416    | 5,591    | 2,765       | 2,816    |  |
| Dig                    | ••         | 1,35,304             | 1,53,000                       |                 | ,163<br>b)            | 64,787                     | 20,6          | 159                | 3,32,751    | 14,575   | 5,375       | 9,200    | (b) Exclus<br>kho separa   |
| Cotal northern         |            | 6,40,325             | 7,28,000                       | 7,35            | i,093                 | 86,100                     | 91,7          | 763                | 10,90,122   | 37,377   | 13,044      | 24,933   |  |
| Nogar                  | <b>,</b> . | 69,663               | 1,05,000                       | 1,01,492        | 1,06,785              | 2,775                      | 14,824        | 17,117             | 3,51,071    | 1,569    | 989         | 580      |  |
| Akhegarh               | •••        | 1,35,674             | 1,39,000                       | 1,40,483        | 1,42,783              | 21,018                     | 4,909         | 7,209              | 203,002     | 70,340   | 42,747      | 27,593   |  |
| Kumher                 | •••        | 1,35,743             | 1,50,000                       | 1,47,509<br>(c) | ,1,51,559<br>(c)      | 41,090<br>to<br>41,185     | 11,768<br>(c) | 15,816<br>(c)      | 3,96,280    | 41,449   | 20,427      | 21,031   | (c) Exclude<br>Kumher t<br>is kham, in                             |
| Bharaipur              | ***        | 1,47,431             | 1,60,000                       | 1,55,268<br>(d) | 1,53,593<br>(d)       | 31,063<br>to<br>018,42     | 7,837<br>(d)  | 16,162<br>(d)      | 13,69,463   | 1,40,720 | 1,12,059    | 28,662   | which is R Rs. 5,500. (d) Exclude of two khich Bharatpar           |
| Foial central          | •••        | 5,03,416             | 5,53,000                       | 5,47,752<br>(e) | 5,63,720<br>(*)       | 100,171<br>to<br>100,410   | 39,336        | 56,301             | 23,79,816   | 2,54,077 | 1,76,221    | 77,856   | nagar lac<br>which is<br>9,000 to Re<br>(e) Exclude<br>(d) about l |
| Total northern central | and        | 11,48,741            | 12,81,000                      | 12,82,845       | 12,99,813             | 1,88,271<br>to<br>1,80,510 | 1,33,104      | 1,51,072           | 91,75,939   | 2,91,454 | 1,80,265    | 1,02,169 |  |
| Rapbas                 | ,          | 1,03,885             |                                |                 | *****                 |                            |               | ••••               |             |          | *****       |          |  |
| Dochain                | •          | 1,72,703             | *****                          | ,               | 4                     |                            |               |                    |             | *****    |             | *****    |  |
| Blyana                 | ***        | 2,03,072             | ,,,,,,                         |                 | *****                 |                            |               | <i>,,,</i> ,,,     |             | *****    | 10000       | *****    |  |
| Bhusawar (1)           |            | 2,71,123             |                                |                 | *****                 |                            |               |                    |             | ,        | •••••       |          | (f) Of which is for the tresumed                                   |
| otal southern          | ***        | 7,55,655             | •****                          | *** 164         | *****                 | *****                      |               |                    |             |          | ,           | ******   | Ballabgar  |
| Frand total            | •          | 10,01,396            |                                | ,               |                       |                            |               |                    |             | *****    |             |          |  |

Thus in the eight tabsils dealt with up to date the *khalsa* demand has been enhanced (omitting the demand for the four *kham* estates of Mandal, Kümher, Bharatpur and Srinagar) by Rs. 1,34,104 or 11.5 per cent. initially, and by Rs. 1,51,072 or over 13 per cent. finally, *i.e.*, from the sixth year of the new assessment. This moreover does not include the demand on account of excess waste—the property of the State or the villagers—separately leased for cultivation.

This may seem a serious enhancement in a State which cannot be called prosperous, but on the other hand (1) old arrears prior to 1890 amounting to nearly 35 lakks have been remitted, and of the arrears since 1890—nearly 3 lakhs-about 2 lakhs have been struck off, and all instalments on account of these have been given up; (2) a number of extra cesses hitherto realised have been abolished; (3) the water rate on sairaba or flooded lands has been included in the new Jama except in Nagar and the few kham estates; (4) the new demand has been more justly apportioned between the estates and more carefully distributed over the holdings in each estate; (5) the damage caused by floods and by the ravages of wild cattle has practically ceased owing to improved. administration; (6) the principle of giving suitable suspensions in bad years has been established. All these facts considerably discount the apparent great increase in the demand, and the readiness of the people to accept the new assessments not only in khalsa estates, but also in maji villages where they were given the option of adhering to the old system, is, I think, a proof that they are reasonable and moderate. The present report deals with the four southern tahsils, which are the most favoured by nature and should be the most prosperous in the State.

4. The method of working is that explained in paragraph 2 of last year's report. M. Hira Singh, Deputy Collector, Method of working. who has already carried through ferations in four tahsils, is in direct charge of the Bhusawar tahsil, and Mr. H. Pyster holds charge of Rupbas, Biyana, and Oochain. Settlement perations were systematically undertaken in October 1898. assified, the maps were brought up to date, and the work of preparing an curate record-of-rights representing the facts of the year 1898-99 was taken This was a work of considerable difficulty owing to the fact that no sgular settlement had previously been made and such records as were available ere incomplete and untrustworthy. Concurrently with the preparation and ocal attestation of the records, the circle officers inspected every village, ecorded assessment notes, disposed of disputes and difficulties in the way of preparing the records. When the data for re-assessment were complete I made a village-to-village tour of each tahsil, viz., Bhusawar, Rupbas and Oochain in November and December 1899, Biyana in March 1900—during which I carefully inspected every village in Rupbas and Oochain and all but two in Bhusawar.

In Biyana I had to leave about 50 estates over till next kharif as owing to the drought the crops had been cut early in March and there were difficulties about camping. These however I intend to inspect before giving out their assessments. In the course of these tours I endeavoured to ascertain all the facts and circumstances bearing on the assessment of the tahsil as a whole and All villages where the assessment had broken down and which of each estate. owing to the desertions of the owners or their refusal to accept liability had come under direct management received special attention. In most cases by the remission of most of the arrears, by arranging for a just system of distributing the demand, and by the judicious grant of takari, the old owners were encouraged to resettle and resume cultivation. This in a famine year and on the eve of a re-assessment was a most encouraging symptom, and the credit of its success in Bhusawar, where such cases were most numerous, is mainly due to the tact, sympathy and zeal with which the Deputy Collector M. Hira Singh approached the work, thereby inspiring confidence into the people.

Position and boundaries of the four southern tabsils.

5. A reference to the attached map will help to explain the position and boundaries of these tahsils. Each of them except Oochain touches foreign territory, and all are influenced by the two great

torrential streams—the Banganga and Gambhir and their tributaries. Rupbas the most eastern, is triangular in shape and juts into the Agra district which runs along the two sides, while the base or western side rests on the Oochain A continuous range of hills, rising at the highest point to 817 feet above sea level, forms the southern boundary with Agra, and some scattered hills also penetrate from Biyana on the west side. The rest is a level plain of a stiffish black soil sloping gently from the hills on the south to the Gambhir which traverses the tahsil from west to east. On both banks of and to the north of the Gambhir the soil is light but fertile.

Oochain is a level plain (except for a few hills on the south-east boundary) surrounded on all sides by Bharatpur territory, irregular in shape, and largely influenced by the annual floods of the Banganga and Gambhir, which have their junction in this tahsil at the village of Karka. The soil except in the vicinity of these two streams where sandy deposits have not altered its natural character is stiff and fertile, especially on the south-east adjoining Rupbas, and with good floods or abundant rainfall yields excellent crops, but the well water in the northern villages adjoining Bharatpur and Akhegarh is often saline. As in Rupbas there is a gentle slope from south to north.

The Bhusawar tabsil on the west including the temporarily-forfeited Jagir of Ballabgarh touches Jaipur on the west and south. A broad but low range of hills on the south separates it from Biyana, and the land on this side is rocky, uneven, and much cut up by the hill drainage. There are also several scattered hills on the south-east round Weir. The northern portion is traversed from east to west by the Banganga and is all a level plain of fuirly good loam sloping gently to the north. Well water is sweet and chahi cultivation excellent except in a few villages towards the north boundary, where the brackish or bitter water of the central tabsils reappears.

The large tahsil of Biyana occupies the extreme south of the State all from east to west marches successively with the Agra district and the State of Dholpur, Karaoli and Jaipur. The south-east is composed of low hills of the covered by a dense growth of low jungle and sometimes enclosing fort valleys in which the rough Gujar inhabitants keep many cattle, and carry cultivation with very fair success from numerous wells. This tract is intersected by the Kakund stream from the south, which is joined by numerous deep nally running down from the hills, and pursues a course due north to join the Gambhir.

The south-east known as the "Nahera" is also a wild and uneven trade made up of alternate bare sandstone hills and undulating sandy plains which the hill drainage has in many places scarred out into almost impassably ravines. At Damdama near Biyana town the hills rise to a height of 1,222 feet and are crowned for a circumference of 7 miles by the forts and ramparts erected by the Lodi dynasty when they made their capital on the site of the renowned Rajput stronghold of Biyana. This tract is intersected by the Gambhir stream running south-west to north-east and its numerous affluents.

The centre and north of the tahsil known as the "Kather" consist of a level plain crossed from east to west by a single low and narrow ridge of hills. It is traversed by the Gambhir and Banganga, benefits much from their inundations, has a clean fertile soil, water plentiful and generally sweet, and in consequence has perhaps the best chahi cultivation in the whole State.

- 6. From the above remarks it will be seen that the natural features which General description of the chief have most influence on cultivation are the Banganga, Gambhir, and Kakund streams, All of these are torrential streams which rise in adjoining and their affluents. States, are fed by the annual rains, and then bring down enormous silt-laden floods with great velocity often inundating the country on both sides for miles and completely cutting off communications for days. After the rains they dry up completely, but the land flooded by them unless injured by sand deposits, produces excellent spring crops; the wells for a considerable distance along their course permanently benefit by having the water level raised and the water made sweet and abundant; while their sandy beds are covered, especially in the case of the Gambhir, with a thin layer of ash manure and are sown with wheat, barley, melons or vegetables. These crops are irrigated from chokas or holes dug in the sand which rapidly fill with water by means of buckets worked with the hand, and the yield of grain on these highlymanured and well-watered little plots is often phenomenal.
- 7. The Banganga or Utangan stream is important not only because of its influence on cultivation in Bharatpur, but also because it has been the subject of long and vigorous controversy with the Jaipur State from which it comes, and the Agra district whither it goes. The Banganga rises among the Jaipur hills about 30 miles due north of Jaipur eity.

It runs for a length of about 30 miles in a south-easterly direction to Ramgarh Jamwa 15 miles north-east of Jaipur Operation to pur, where it forces its way through a narrow passage between the hills into the eastern plains. The catchment area in Jaipur up to this point is 324 square miles. The Jaipur Darbar had long been desirous of constructing a great irrigation dam at Ramgarh which would utilise for irrigation all the supply up to this point, but the Bharatpur Darbar resisted the project on the ground that it would cut off a considerable portion of the Banganga floods. Finally in 1897 it was arranged that Jaipur be allowed to construct the reservoir on accepting the condition that the Bharatpur Darbar should be entitled to submit to the final arbitration of the Agent to the Governor-General its claims to compensation for damage (if any) actually caused by the work. The dam, I believe, is still under construction, and its influence on the Banganga supply in Bharatpur has not yet therefore made itself fully felt.

From Ramgarh the Banganga runs due east receiving the drainage of the central plains of Jaipur and of the hilly tracts in the south of Alwar.

The catchment area east the Ramgarh dam is in Alwar 401 square miles in Jaipur 1,065, or a 'to 1,466 square miles. After a further course of hiles almost due east, i s the Bhusawar tahsil of Bharatpur at Kamaland has a eatchment 142 square miles among the hills in the south vit runs still almost due east for a distance of 30 From the 3husawar. es through the Bhu Biyana, and Oochain tahsils to Karka in Oochain re it was formerly by the Gambhir stream from the south. bined streams w e now practically the Gambhir alone, as the Banganga austs itself by s the north before reaching the old junction, continue t for a distance of 25 miles through the Oochain and pbas talisils, g in places the boundary between Agra and Bharatpur, o the Karaoli/ of Agra, and after a further eourseof about 80 miles through arh, and Fatteliabad tahsils of Agra finally join the Jumna on Karaoli, K right bay niles east of Fattehabad and about 235 miles from its source. e the name of Banganga or "arrow-Ganges" from the legend is said to at durin wanderings of the five Pandaya brothers, water having failed ne famous archer drove an arrow into the ground and from the pm, Aر ong the fountain which is the source of the stream. From the inctu/ ·fiey/ fording it when sudden freshets came down, it is also known as the rof thar or overthrower of horses. The course of the Banganga through ils is about 30 miles to its junction with the Gambhir at Karka and from the junction to Moroli where it leaves Bharatpur for Agra. . most of its course a broad, shallow, sandy bed. The banks especially e north side are low and are covered often to a distance of two or three is from the streams with dense growth of jungle grasses known as sarkanda kans, or with the shrub known as jau, all of which grow freely in the deposits sand left by the periodical inundations. These inundations which when not controlled were often the eause of

enormous damage not only to Bharatpur but to parts of the Agra district, but are now owing to the skilful measures for utilising them adopted by Mr. Devenish, the State Engineer, the mainstay of the presperity of these tabsils, are thus explained in a note dated 28th February 1893 by Mr. Palmer, Executive Engineer, North-West Provinces, who was put on special duty to report on the measures to be taken to reduce the floods.

"The catchment lies entirely among steep hills and gives rise to sudden floods; the river bed is remarkably steep and the very high velocity its floods thus obtain brings down great quantities of sand more or less in suspension during most of the journey. As soon as such a flood reaches flatter ground, the velocity is decreased and it begins to deposit silt; and if the decrease of velocity is sudden it deposits more silt than it can push on and thus chokes its channel. This is the real disease of the Banganga, and its condition now is such that it may burst through at Dharsoni, or at Thilehabi, or at Ghazipur or above Khanpur; and it may possibly burst through all these places in succession."

In another note dated 24th November 1892 Mr. Palmer gives the history of the more important breaches or spills.

"Some obstructions at the old month (where it joins the Gambhir)—perhaps a very high Gambhir flood—led to the first spills there; then the changes made there increased the evil and a spill channel was formed from Karka; then that began to fill up, and in 1885 a spill broke through near Farsu; now the Farsu-Oochain spill is silting up, and a new one has started between Barkhera and Kherli, and here there is a pause. This is the point we are now at. Just above Farsu there is a gap through the hills to the south and a great spill has formed itself to the south through Nagla Khushfaim. The slope of this spill is greater than that of the torrent, and it is therefore able to keep itself clear It runs directly into the Gambhir; that more continuous river runs for four to five months after the Banganga has dried up, and it gradually removes the surplus silt brought down by the spill."

Mr. Palmer then notices the destructive effects of these floods, especially those of August 1885 and of September 1891, not only in Bharatpur but in the Karaoli tahsil of Agra where the *kharif* erops were swamped in nearly 100 villages and large suspensions and remissions of land revenue had to be given. He adds—

"The tract thus liable to flooding from the Banganga hears everywhere the marks of a decaying agriculture, the jungle is plainly increasing and the population decreasing, while

rents have so fallen off that it has become necessary to reduce the land-revenue charges on a great number of villages to preserve their zamindars from a more general ruin than has already befallen them, and the reduction has risen to over 80 per cent. of the revenue in several villages"

Apparently the chief danger to the Agra district lay in the possibility of (c) Proposals for reducing the inun- the Banganga floods—all of which except the spill at Khushfaim to the southbreak out on to the low ground to the north of the torrent—joining the Khara nadi, which carries the overflow from the swamps cast of Bharatpur into the Karaoli tahsil of Agra, and thus completely swamping a large portion To provide against this emergency of that tahsil in seasons of heavy rainfall. it was proposed to deepen the spill channel to the south at Khushfaim so as to divert the Banganga back into its old junction with the Gambhir, by which a sufficient waterway is provided for the passage of the floods to the Jumna. The Bharatpur Darbar objected to this proposal on the ground that it would (1) reduce the annual Banganga floods which though occasionally disastrous to individual villages are on the whole beneficial to the State, (2) deteriorate the fertilising influences of the Gambhir silt by the admixture of the sterilising Banganga sand. In March 1894 the whole subject was threshed out by Colonel Harrison, Secretary, P.W.D., Irrigation Branch, of the North-West Provinces, andi Mr. White, Secretary, P.W.D., of Rajputana and Central India, who made a jont tour of the affected area. The weight of the objections raised by Bharatpur was recognized, and as the Bharatpur Darbar had meantime appointed a qualified Engineer to control the floods in its boundaries, the Government of . the North-West Provinces in a letter No. C. 5521, dated 6th August 1895, agreed to the Khushfaim project being dropped

"on the understanding that measures are being taken by the Bharatpur Darbar towards diminishing the violence of excessive floods from the Banganga, and that this Government will be consulted as regards projects prepared by Engineers in the Bharatpur State."

## It was added-

"that the prosecution of the scheme for storage of some of the waters of this river in the Jaipur State appears to be in the highest degree desirable."

The execution of this scheme, viz., the Ramgarh reservoir, has been already alluded to.

Since 1895 there have been no further complaints of damage in Agra by day Utilisation of the floods for irritation.

Banganga floods, partly-perhaps because the rainfall of recent years has been moderate, but chiefly because the irrigation works undertaken for the proper distribution of the floods by Mr. Devenish, Executive Engineer, have enabled the supply to be fully utilised in Bharatpur and converted them from a curse into a blessing. He writes—

"The conditions now are that we use nearly all, if not all of the floods of the Banganga river. It is possible that in an exceptionally heavy flood, a small proportion of the water finds its way beyond the Bharatpur borders. We use certainly all the water of moderate and light floods for irrigation. This use of the water has been effected by the restoration of old works and by the construction of new channels and banks."

(e) Chief irrigation works on the Banganga. The principal works now fed, or to be fed, by the Banganga floods are—

- (1) The Pathena canal—north bank—in course of construction, bed width 30 feet, to be enlarged subsequently to 50 feet. This is estimated to irrigate 10,000 bighas chiefly in Akhegarh tahsil.
- (2) Ullupura canal, south bank, bed width 20 feet. This is an old worlintended to fill the Attaripur band in Bhusawar, but it has a bad head and he not yet worked freely. A new head has now been selected further down to stream at Mala Hera, from which a channel 30 feet wide is being dug, and his is estimated to irrigate 2,000 bighas.
- (3) Haleyna canal, north bank, bed width 50 feet. This takes out of the river at the site of the old spill at Thilehabi, now irrigates 4,000 bighas in Bhusawar and Oochain, and when completed is estimated to irrigate from 20,000 to 40,000 bighas in these talsils, and also in Kumher.

- (4) Lalpur canal, south bank, bed width 50 fcet. This has a length of four miles and feeds the Lalpur band in Bhusawar and the following subsidiary bands through the sluices, Jiwad, Lohasa, Jatpura and Ajrond. Last year it is said to have irrigated 4,000 bighas. When fully utilised by the flooded land being brought under cultivation it will irrigate up to 10,000 bighas.
- (5) Oochain canal, north bank, bed width 50 feet. This utilises the Sewar-Oochain road which has been raised and strengthened for a length of 7 miles to act as a training work, and had 8,000 bighas of cultivation last year, nearly all in Oochain, including the contents of several subsidiary reservoirs fed from the sluices under the road. This area can be raised to 10,000 bighas, and this canal also fills the fine Sewar band in Bharatpur which already has 3,000 bighas of cultivation.
- (6) Similarly the natural spill from the Banganga around Farsu is being controlled and utilised by means of the Oochain-Biyana road now being restored and constructed as a training bank with flood-escape openings and regulators. This irrigated 4,800 bighas last year in Oochain, and when the works are completed will in good years irrigate 10,000 bighas.
- (7) The Ajan band system in Bharatpur, which was fully described in para. 7 of last year's report, is also fed by the Banganga floods. The development of this is one of the most promising schemes in the State. The eultivated area in these villages—formerly the most depressed and miscrable in the whole State—has risen from 5,000 bighas in 1896-97 to nearly 20,000 bighas last year, and when the enormous areas of waste now given out for cultivation on special terms (see paras. 65 and 66 of last year's report) are fully utilised, it is hoped that the area will rise to 50,000 bighas. Besides these main works which are dependent on artificial channels, there are several well defined spill channels, of which Mr. Devenish writes—

"The flow of these has also been tapped and utilised by the construction of embankments and cuttings. During the last 5 years we have been engaged in improving the storage and distributary system."

The area so irrigated by natural spill from the Banganga is about 10,000 bighas, and when the large areas of waste along the Banganga have been cleared for cultivation under the special arrangements now being made, this, it is hoped, will be doubled.

Altogether about 60,000 bighas of cultivation were irrigated from the Banganga last year, viz., 25,000 bighas in (f) Area irrigated at present. Bharatpur tahsil and about 35,000 bighas When the projects now under construction are in Oochain and Bhusawar. completed and arrangements for the cultivation of the flooded waste lands perfeeted, this area will probably be doubled, so that in five years if the present efficient management is maintained, sufficient funds allotted for the works, and the active co-operation of the Revenue authorities insisted on, the Banganga floods should irrigate from 100,000 to 125,000 bighas or 40,000 to 50,000 acres of excellent cultivation, and will become the most valuable asset the State possessos—more valuable even than the Ruparel. Hence any scheme to cut off or reduce the supply by the construction of dams or irrigation works higher up the stream, as in the ease of the Ramgarh reservoir, should in the interests of Bharatpur bo sternly resisted, for there is no doubt now that the floods can be fully utilised in Bharatpur.

8. Practically the whole volume of the Banganga is now tapped by means of the artificial channels or natural spills before its point of junction with the Gambhir at Karka, and the inundations east of that point are those of the Gambhir. The Gambhir differs from the Banganga in having a less licentious channel contained within wide, well-defined banks which it rarely breaks through, and in depositing vory fertilising silt. It rises near Khera in Jaipur and runs almost due cast for a distance of about 40 miles before it touches the south-east of the Biyana tahsil. For a few miles it forms the boundary between Bharatpur and Jaipur and then runs due cast for a length of 10 miles as far as Secundra receiving the drainage of the Nahera tract on the north through

the Talra and Gaddi Khor nalas and of the Dang tract in the south through From Secundra it runs almost due north past the town of the Raseri nala. Biyana, where it is joined by the Maidani nala bringing down the drainage of At Naddignon, 12 miles north of Secundra, it is joined by the Biyana hills. the Kakund stream, or rather by such portion of it as escapes through the Barcta dam. It then takes a curve to the north-east and after a further course of 8 miles joins the old bed of the Banganga at Karka in Oochain. Up to this point the inundations never extend beyond the well defined banks, within which however there is a large area of excellent chahi, khatili and sairaba land producing as fine erops as any in the State. From Karka it strikes due east, and as the channel, owing probably to the former sand-deposits of the Banganga, is shallower and the banks lower, the stream thenceforward begins to exhibit the capricious qualities of the Banganga, and breaks out into inundations which extend through Bhainsa in Oochain up to the Ajan band, and also through Chandauli, Khanwa and several villages of Ruphas on the north into the Agra district, while on the south side it is tapped by channels at Dahnagaon and Bokoli, which are carried through cuttings between the hills to fill the bands and irrigate the centre of the Rupbas tahsil. In its course east from Karka the stream deposits sand in profusion, but the soil though light in appearance is very productive and yields excollent crops of bajra and til in the kharif. About 12 miles east of Karka, at Undel Jat, the stream (which though now really the Gambhir still retains its old name of Banganga) begins to form in an intermittent way the boundary between Bharatpur and Agra. At Singholi further east it overflows into the Khari nala which entering Rupbas from Biyana on the south-west traverses its entire width till it joins the Banganga at Mehartha on the extreme east of the tabsil bringing the drainage of most of the Rupbas tahsil. The spill into this nala overflows and fertilises the eastern villages of Rupbas. The course of the stream after it leaves Rupbas for Agra has already been described.

It has a separate channel through Biyana and Oochain for a length of 35 miles before it joins the old bed of the Banganga at Karka, and a length of 25 miles from Karka before it finally leaves the Rupbas tabsil at Morori. This will explain what a far reaching influence the stream has in these tabsils and that influence is entirely beneficial, while the vagaries of the Banganga proper are often decidedly destructive. No great irrigation work has yet been constructed on the Gambhir, but the Executive Engiueer is on the look-out for a favourable site.

- 9. Of the affluents already mentioned the largest is, or rather was before the Barcta band was constructed, the Kakund. This rises in the temple of Kaila Devi among the Karaoli hills 30 miles to the south of the Biyana boundary which it enters at the village of Gordha among the hills of the Dang. Up to this point its course is over a rocky plateau from which it descends by a series of falls at Gordha, and pursues its way between the parallel chains of hills for a distance of 8 miles to the hamlet of Bareta where the hills close in, and are now united by a magnificent masonry dam which effectually holds up the stream, and by means of which over 10,000 bighas of khalsa and mast land were irrigated last year.
- 10. This work was begun by Lieutenant Home, the State Engineer, in 1866, but abandoned in 1869 on the accession of the late Maharaja after about Rs. 70,000 had been expended on it and the dam had been carried half-way across. The work was resumed by the present State Engineer, Mr. Devenish, in November 1895. The dam was not sufficiently advanced to hold up the flood of 1896, and suffered some damage from the high floods of that year. Work was speedily resumed, and the dam was completed in time to catch and successfully hold up the floods of 1897. Owing to the duets or masonry channels not being ready in that year there was no irrigation through the sluices and little cultivation within the dam as in order to test and consolidate the latter little water was run off. Meantime the construction of the three duets or irrigation channels running north from the sluices was being steadily pushed on, though the uneven and raviney country through which they pass rendered the work tedious and costly.

In the rains of 1898 the water impounded covered an area of 3 square miles in the rear of the band with a cubic content of 700 million cubic feet. About 2,000 bighas were irrigated. In 1899 the dam filled up to escape level—45 feet above the bed—and the area submerged was 5 square miles with a cubic content of 1,500 million cubic feet.

Two of the irrigation channels had meantime been wholly and the third partially completed. The drought of the past year caused a brisk démand for water for the irrigation of both kharif and rabi crops and every effort was made to meet this. The results were most satisfactory. A total area of 9,328 bighas was irrigated from the sluices, viz., 6,192 bighas in 17 Biyana villages and 3,136 While an area of 1,017 bighas was cultivated bighas in 4 Oochain villages. within the band. Most of the land irrigated from the sluices received from 2 to 6 waterings and the rabi crops of wheat, barley, gram, when I saw them in March last were first-rate except in one or two villages at the tail of the irrigation channels. The dimensions of the dam are as follows—Length  $\frac{3}{4}$  mile, maximum height 55 feet, maximum width at base 400 feet, capacity below escape level 1,500 million cubic feet. The dam has a catchment of over 70 square miles of rocky ground. The total expenditure since the work was taken in hand in 1895 has been about 2 lakhs, but I estimate that the value of the crops, over 10,000 bighas, grown in the first year of working would more than cover this capital cost. Even this year owing to two of the channels not having been ready till the season was rather advanced not more than half the supply was utilised for irrigation, and in future we can safely count on about 25,000 bighas being irrigated in an average year, of which about three-tenths would be in the Oochain villages around Rudawal and seven-tenths in Biyana. The limit of irrigation is the Gambbir on the west and north. Besides the direct benefits by sluice irrigation to villages in the rear of the band, many villages close to it benefit by the proximity of a large body of water which raises the water-level On the other hand and makes the supply in the wells sweet and abundant. there are four villages within the submerged area which have lost heavily as their village-sites have had to be shifted, their wells have collapsed or been choked with silt, and much of the area being under water all the year round has been rendered permanently unculturable. It is not creditable to the State administration that these sufferers for the general weal should so far have received no compensation. I am now enquiring into the losses they have sustained and propose to give them compensation by a proportionate reduction of the revenue or the water-rates for the term of settlement. I may here explain that all of the Bareta irrigation charges will be kept apart from the land-revenue and will be a fluctuating demand assessed year by year on the area irrigated and the The rates provisionally adopted for the present year are. crops grown.

Kharif crops Sugarcane ... Rs. 3 per bigha.
Cotton and maize ... , 2 ,,
Other crops ... Re. 1 ,,

Rabi crops Re. 1 to Rs. 2 per bigha, according to situation, quality of crops and number of waterings.

For future working rates will be fixed after consultation with the Executive Engineer and the Revenue Department with the sanction of the Political Agent and Council.

Course of the Kakund below the Bareta band, strikes northeast in a deep and well-defined channel which has water in creeks and pools all the year round. The villages along the bank irrigate from these by means of dhers and jhalars, and there is also some excellent khatili cultivation in the bed. The stream finally joins the Gambhir at Naddigaon about 10 miles north of the dam.

The Banganga, Gambhir, and Kakund are the streams which have a general influence on agriculture. There are other nalas or hill torrents which are more

or less utilised to fill the minor dams so common in this tract. These will be noticed in the description of each tabsil.

12. The following description of the mountains in this tract is borrowed from the Rajputana Gazetteer (Vol. I, page 134):—

"The Sidgirpabar range runs on the south-east frontier between the pargana of Rupbas and Biyana of Bharatpur and Sarhendi of Agra. The general direction is from north-east to south-west and the length about 30 miles; the highest point is Usera, 817 feet. In it are situated the celebrated Bansi-Paharpur stone quarries. The range becomes broken in the southern part of Biyana into irregular branches which help to form the district called the Dang, a tract completely broken up with ravines, very difficult of access and covered with jungle, the highest portion forming a plateau. North-west and parallel to this is an interrupted range running through Rudawal to the south of Biyana which by its southern extremity helps also to form the Dang.

"The other hills in the south consist of two broken irregular ranges running generally in a parallel direction with several offshoots through the parganas of Weir and Biyana from north-west to south-east. The highest point is Damdama (near Biyana) 1,215 feet. These hills are separated from the Sidgirpalar range by the Gambhir river."

The hills though they cover a large area especially in Biyana and the south of Bhusawar are low, and except in the Dang rather bare of vegetation. One cause of this is that all the hillsides are the property of the villages. None belong to the State, and therefore nothing has been done to prevent deafforestation.

Geological formation of the hills.

Geological formation of the hills.

the great majority of the exposed rocks are alluvial consisting of modern alluvial deposit with blown sand which the wind carries from the descrt of Rajputana and occasionally forms into mounds to the leeward of some natural inequality in the surface. The main range already referred to consists almost entirely of sandstone of various texture and colour, varying from a very fine rock to almost conglomerate. The prevailing colour is brick red with white spots or streaks sometimes green and yellowish-white occurring in alternate beds of considerable thickness. It is in this that the most valuable quarries are found of the famous red and white Rupbas sandstone from which the finest palaces, mosques and temples of Dehli, Agra, Muthra, Dig and Fatehpur-Sikri have been constructed. Both varieties of stone are in considerable demand, and Bharatpur is in the happy position of having a monopoly of the best kinds. The rates of duty charged by the State on sales to outsiders are per 100 maunds, Rs. 8 for the red and Rs. 20 for the white sandstone which is rarer. The net income, which has risen considerably since the management was taken over by the Executive Engineer in recent years, has been—

| 7007 |     | ÷   |        |
|------|-----|-----|--------|
| 1896 | ••• | Ks. | 17,072 |
| 1897 | ••• | ••  | 19,882 |
| 1898 |     |     | 17,522 |
|      | ••• | - • |        |
| 1899 |     | 3>  | 23,279 |

This leaves out of account the large quantities of stone supplied for State purposes.

The ridge running parallel with the main range through Rudawal consists generally of sandstone in massive strata and false bedded flags, usually hard and compact, occasionally vitrified, and reddish or yellowish in colour. In some places thick shaly beds, mostly of quartz or silex, but sometimes of clay are found. The hills west of Biyana and divided from the Sidgirpahar by the catchment basin of the Gambhir river are formed of quartzite, sandstone, with strata of trap and shale. Copper and iron are found, but not in quantities large enough to repay the cost of working. The stone too is less valuable for building or ornamental purposes.

Generally speaking the red sandstone is inferior for architectural purposes to the white owing to the irregularity of its colouring, also to the liability of some specimens to disintegration from the effects of time. The red variety is remarkable for perfect parallel lamination in consequence of which it can by means of wedges be readily split up into flags or slabs of any required thickness. Hence its suitability for roofs and floors.

The white or cream-coloured variety is uniform in colour and texture, and therefore suitable for the most delicate and elaborate effects in carving. Owing to the thickness of the beds it can be procured in slabs of great size. For these reasons it lends itself peculiarly to architectural effect, as the palaces of Dig, the cenotaphs of the Bharatpur Maharajas at Govardhan, and the temples of Muttra and Brindaban testify.

14. The leading features of each tahsil will now be separately described, but summary of statistics of these these may be prefaced by a few leading tahsils and of the whole State. Statistics of area, cultivation, population, and revenue as given in the table below. The standard of measurement throughout the State is the Raj bigha—the square of a chain 132 feet long—which is equal to  $\frac{2}{5}$  of an acre, so that 1,600 bighas go to the square mile.

|                   |                |                    | An            | ea.                                   | }          |                             | P      | OPULATION   | ₹.               | Incidence | E OF JAMA.              |
|-------------------|----------------|--------------------|---------------|---------------------------------------|------------|-----------------------------|--------|-------------|------------------|-----------|-------------------------|
|                   |                |                    |               | · · · · · · · · · · · · · · · · · · · |            |                             |        | PER SQU     | THE RICE.        |           | 1                       |
| Tabsii.           | Detail.        | Number of estates. | Total.        | Cultivated,                           | Ветспиа,   | Revenue with<br>all cesses. | Total. | Total area. | Cultivated area. | Per bead. | Per acra of population. |
|                   |                |                    |               |                                       |            |                             |        |             |                  | Es. A. P. | Rs. A P                 |
| P1                | Khalsa         | 721                | 1,69,232      | 83,049                                | 1,05,855   | 1,18,194                    | 26,352 | 231         | 488              | •••       | ***                     |
| Enphas            | Mass           | 41                 | <i>5,</i> 719 | 3,543                                 |            | ***                         |        |             |                  | ***       | •••                     |
| (                 | State property | 1                  | 7,390         | ***                                   | •••        |                             | ***    | •••         | ***              | ***       | ***                     |
|                   | Total          | 78                 | 1,62,341      | 80,692                                | •••        |                             | ***    |             |                  | •••       | '                       |
| . ,               | Khalsa         | 87                 | 2,00,992      | 1,23,693                              | 1,72,703   | 1,89,327                    | 43,412 | 299         | 493              |           |                         |
| Oochain 4         | Mag            | 7                  | 29,262        | 19,912                                | ***        | *                           | •••    | •••         |                  |           | ***                     |
|                   | State property | 2                  | 2,736         | •••                                   | •••        |                             |        | •••         | •••              |           | ***                     |
| ٠                 | Total          | 96                 | 2,32,099      | 1,43,505                              |            |                             |        |             | **               | 1.,       | ***                     |
| ,                 | Khalsa         | 151                | 4,07,741      | 1,42,060                              | 2,05,972   | 2,25,959                    | 62,919 | 201         | 623              | ,         | •••                     |
| Biyana            | Mafi           | 16                 | 30,661        | 19,606                                | <b>544</b> |                             | ••     |             |                  |           | •••                     |
| l                 | State property | 1                  | 2,731         |                                       | •••        |                             | ***    | ***         | •••              | ***       | •••                     |
|                   | Total          | 108                | 5,01,133      | 1,61,666                              | •••        |                             |        | •••         | 344              |           |                         |
| r !               | Khalsa         | 123                | 3,03,810      | 1,65,119                              | 2,36,489   | 2,59,959                    | 62,153 | 295         | 536              |           | •••                     |
| (1) Kbas {        | Istamrar       | 1                  | 9,194         | 1,569                                 | •••        |                             | •••    | •••         | •••              |           | ***                     |
| (1) Kbas {        | Mati           | 9                  | 20,636        | 15,241                                | •••        |                             | ?··    |             |                  | ***       | ••                      |
| . '               | State property | 3                  | 10,014        | 3,290                                 | ***        | •••                         | •••    | •"          |                  |           | **                      |
|                   | Total          | 136                | 3,37,694      | 1,65,619                              |            |                             | •••    | •           |                  | •••       | ***                     |
|                   | Khalsa         | 13                 | 34,399        | 20,899                                | 34,643     | 37,617                      | 7,550  | 328         | 539              |           | •••                     |
| ri (2) Ballabgarh | Mafi           |                    | 2,010         | 1,126                                 | ***        |                             | ***    | •••         |                  |           | •••                     |
| Bha               | Total          | 13                 | 36,409        | 22,025                                |            | ***                         | 741    |             |                  |           | ***                     |
|                   | Khales         | 136                | 3,33,209      | 1,86,018                              | 2,71,133   | 2,97,800                    | 69,703 | 298         | 538              |           |                         |
|                   | Istamrar       | 1                  | 3,134         | 1,909                                 |            |                             |        |             |                  | -         | •••                     |
| Total             |                | 0                  | 22,646        | 10,367                                | •••        | · · · }                     | •      | ··· .       |                  | -         | *,*                     |
|                   | State property | 3                  | 10,016        | 3,290                                 |            |                             | •••    | `           |                  |           | •••                     |
|                   | Total          | 149                | 3,74,003      | 2,07,644                              |            |                             |        | <b></b>     |                  |           | •••                     |

|                         |            | 1    |                    | A3        |             |                                      |                                      | P          | OPULATION   | ī                | Incidence | OF JIXI.                |
|-------------------------|------------|------|--------------------|-----------|-------------|--------------------------------------|--------------------------------------|------------|-------------|------------------|-----------|-------------------------|
|                         |            |      |                    |           |             |                                      |                                      | •          | Pan squa    | EN MILE.         |           |                         |
| Tahsil.                 | Detail.    |      | Number of estates. | Total.    | Cultivated. | Berenue.                             | Revenue with all ceases.             | Total.     | Total area. | Cultivated area. | Per bead. | Per sere of population. |
|                         | Khalsa     |      | 4161               | 11,76,161 | 5,34,720    | 7,55,035                             | 8,31,276                             | 2,02,416   | 251         | 540              | Bs. A. P. | Bs. A. P.               |
| Total southern tahalis{ | Istamrar   | •••  | 1                  | 3,131     | 1,963       |                                      |                                      |            |             |                  |           | ••                      |
| ZOGRESSELLET LEADERS    | Mafi       | •••  | 361                | 89,308    | 59,429      | ***                                  | ]                                    | •••        | ]           | -                |           |                         |
| į                       | Slate prop | erty | 7                  | 22,670    | 3,290       |                                      |                                      |            |             |                  | •••       |                         |
|                         | Total      |      | 491                | 12,90,476 | 5,99,107    |                                      |                                      |            |             |                  |           | •••                     |
|                         | Khalsa     |      | 358                | 7,90,671  | 4,03,165    | 5,61,720                             |                                      | 2,29,279   | 381         | 621              | 2 15 0    | 2 15 0                  |
| Total contral tabails   | Chauth     | •••  | 1                  | 2,853     | 1,264       | -                                    | add Re 7-13-0<br>per cent.           | •••        | •••         | <b></b> .        |           |                         |
| Total central tabsils 4 | JI afi     | •••  | 62]                | 1,25,227  | 70,610      | (1,00,416<br>uominal)                |                                      |            |             |                  |           |                         |
| į                       | State prop | erty | 14                 | 44,330    |             |                                      |                                      | **         | ***         |                  |           |                         |
|                         | Total      |      | 436                | 9,63,301  | 5,74,069    | ***                                  |                                      | •••        | •••         |                  |           | •••                     |
|                         | Khalsa     |      | 403                | 5,69,059  | 5,40,239    | 7,35,003                             | add Rs. 7-13-0<br>per ceut.          | 1,89,050   | 321         | 460              | 4 6 0     | 3 2 0                   |
|                         | Chauth     | •••  | 20                 | 59,029    | 45,239      |                                      | •••                                  | •••        |             |                  |           |                         |
| Total northern d        | Istamrar   | •••  | 4                  | 15,600    | 11,114      | •••                                  |                                      |            | -           | l                |           |                         |
|                         | Mafi       | •••  | 25                 | 79,508    | 64,391      | (86,100 no-<br>minal)                |                                      | •••        | -           |                  | ···       | ***                     |
| •                       | State prop | erty | 10                 | 10,549    | •••         |                                      |                                      | •••        | ***         |                  |           |                         |
|                         | Total      | •••  | 468                | 9,33,672  | 6,60,9st    |                                      |                                      | •••        |             | ***              | •••       |                         |
| Total of State          |            |      | 1,395              | 31,67,419 | 19,34,457   | { 12,99,613<br>7,53,655<br>20,55,469 | reassessed<br>to be re-<br>assessed. | } 0,20,645 | 312         | 511              | tos.      | ***                     |

The State has an area of 1,992 square miles, of which 1,147 or 60 per cent. It has a population according to the census made during are cultivated. settlement operations (which though not elaborate is probably more reliable than the 1891 census) of 6,20,645 or 312 per square mile of total and 541 per square mile of cultivated area. The total land revenue is at present Rs. 20,55,468 excluding the 4 khom estates mentioned in para. 3 giving an incidence of about Rs. 3-8-0 per head of population and 1,751 per square mile of cultivation or about 2-12-0 per cultivated aere on the present jama, but these figures will be raised by about 2 per cent. in each case when the four southern tahsils have been reassessed. There are in all 1,395 estates, of which 1,2083 estates are khalsa, 27 are chauth (i.e., pay one-fourth of the rental) 5 are islamrar, 31 are State property (runds, etc.) and 124 are held in jagir or mafi embracing about oneeleventh of the total, and one-ninth of the cultivated area. The total number of estates will now be increased owing to the formation of new estates in State or village waste allotted for cultivation.

The four tabsils now to be reassessed comprise about two-fifths of the total, and almost one-third of the cultivated area paying at present 37 per cent. of the total khalsa Jama, and contain 32.5 per cent. of the population. Owing to the prevalence of hills and the large areas of sand along the Banganga, Gambhir, etc., only 47 per cent. of the total area is under cultivation. The incidence of population varies from 200 per square mile in Biyana to 298 per square mile in Bhusawar, while on cultivated area it ranges from 483 per square mile in Oochain to 623 in Biyana, the average for the whole tract being 251 per square mile of total and 541 per square mile of cultivated area. The latter is practically the same as for the whole State, which considering the large amount of excellent waste land available for cultivation cannot be considered high. The special features of each tabsil, where they have not been already mentioned will now be discussed.

### TAHSIL RUPBAS.

15. Rupbas is the eastern and smallest of the four tahsils, but its boundaries will be extended when the Oochain (a) General description and soils. tabili is partitioned. It has a present area of 114 square miles, of which only 54 or 74.5 per cent. are under cultivation. Of the khalsa area—106 square miles—49 per cent. is under cultivation, 34 per cent. is culturable, 3.5 per cent. new fallow, and 13.5 per cent. unculturable; so that although cultivation has expanded enormously since last settlement there is still an ample margin for further extension. Of the cultivated area 16 per cent. is chahi, 2 per cent. chahi-sairaba, 19 per cent. sairaba, 1 per cent. khatili, and 62 per cent. is dependent solely on the rainfall, viz., 52 per cent. barani and 10 per cent. bhur. Owing to the deficient rains of late years, and the neglect of the numerous irrigation bands, the maintenance of which is essential to ensure a good water-supply in the wells, the chahi area has steadily contracted of late years and is now much less than it was at last settlement. 80 per cent. of the wells are sweet, and 20 per cent. bitter, brackish or oily, these being generally found in the villages of the central plain.

The tahsil slopes from the Sidgirpahar range on the south boundary

(b) Natural divisions.

due north to the Gambhir, and up to
the Ajan band in Bharatpur. It falls
into three well-defined natural divisions, viz., (1) the Wal or south-western
portion lying in the triangle between Rupbas town and the two ranges of
hills with 28 villages; (2) the Dher or central and eastern portion intersected
by the Khari nadi from the Singhani band in Biyana with 26 villages; and (3)
the Nadwas or northern portion intersected by the Gambhir and the old channels of the Banganga with 24 villages.

The Wal as its name implies is the valley at the foot of or between the hills. These are low barren rocks with (1) The Wal. no vegetation. Hence no sand is washed down from their slopes by the rain, and there is hardly any light bhur in this tract. The soil generally is a stiff blackish clay locally known as chahar, usually fertile and productive with abundant rainfall, but in places it has an admixture of kallar, and hence is not suitable for rabi barani crops-gram or sarson. Jawar does very well in good seasons, in the central plain around Rupbas. Bajra is grown with most success in the lighter soils under the hills. Well water is generally sweet, but the supply is now very low, and great numbers of wells have been temporarily abandoned. One reason for this is that a layer of stone is often met with at a depth of 10 to 30 feet from the surface, and this prevents the surface drainage from soaking into the soil and raising the spring level. Another cause is that nearly every village in this tract has its own band, which impounds the drainage from the hills on both sides and the large areas of waste, the filling of which is almost cssential for the maintenance of the water-supply in the wells. These bands have gone out of repair or owing to the drought have not filled well in recent years, and this at once reacts on the wells. The spring level ranges from 37 to 60 feet, the average being for masonry wells 42 feet and for kacna wells 28 feet, while the average depth of water is 9 and 6 feet respectively. The restoration and improvement of these bands was taken in hand this year by the Executive Engineer, and most of them will have been completed in time to catch the monsoon rains.

The tract is also intersected by the Khor nadi from Biyana, which however flows between deep banks and does not inundate here. Dams have been thrown across it at Bansi and Kherli, where some excellent sairaba has been formed Dhana, Jatwansi, etc. The owners of the tract were originally Panwar Rajputs, who still hold 5 or 6 villages around Bansi Paharpur, but they have been dispossessed from the rest by Jats. The people have been severely hit by the drought of recent years, which is most felt in the stiff clay soils, but owing to the carelessness of the tahsil authorities have got into the habit of holding back the revenue even when they are in a position to pay it. If the restoration of the village bands is followed by a year or two of good rainfall, the tract will speedily recover its lost prosperity.

The Nadwas on the north of the tahsil with 24 villages is so named because it is affected by the action of the combined Banganga and Gamblir streams (nadi) which run right through it from west to east and benefit nearly all the villages directly or indirectly. A range of low hills starts from the river at. Bokoli and runs close to it for some distance. Through openings in this channels have been cut as already stated at Bokoli and Dahnagaon, to convey the floods into the central plain around Rupbas. Hitherto these have not been very successful as the floods, owing possibly to the damming of the Kakund, have not of recent years risen high enough, but they are now being cleared and deepened.

The proportion of sairaba in these villages is considerable. The soil, owing to sand deposits, is light in texture but very productive even with a moderate rainfall. Even the land classed as bhur yields excellent crops of bajra and til in the kharif, and the rents are as high as for the best barani. One estate—Khera—on the road between Rupbas and Fatehpur-Sikri is isolated from the rest, and forms an enclave in Agra. A few villages on the extreme north lie on both sides of the Ajan band (for which see report on the central tabsils) and are irrigated by means of it. Water is near the surface and fairly abundant, the average being 16 feet to the water-level and 14 feet of water in masonry wells, and 14 and 9 feet respectively in kacha wells. In Burana, Posonda and a few more villages on the north boundary adjoining Agra it is bitter; but elsewhere sweet. There is much excellent khatili cultivation in the bed of the Banganga, and on its banks a large area of sandy but culturable waste, which is being steadily brought under the plough. This tract is on the whole fairly prosperous even at the present time.

The Dher with 26 estates comprises the central and eastern portion of the tahsil projecting into the Agra (3) The Dher. district. The southern portion along the hills is similar in character to the Wal, while the northern portion along the banks of the Banganga is similar to the Nadicas. Between the two runs the Khar nadi which at Singholi approaches close to and receives the overflow from the Gambhir. Both before and after this point its inundations spread over a large portion of the tract and being regulated by a scries of bands—almost every village has one or more—its action is most beneficial, and large areas of excellent rabi crops are grown on the inundated land. soil varies from a light loam to a stiff clay and there is much culturable land. Stone is very near the surface in places, and this is a bar to the extension of well irrigation. Water is generally sweet and near the surface, the average being 22 feet to the water and 12 feet of water in masonry wells, and 18 and 9 feet respectively in kacha wells. The latter are very numerous. In some places, eg., Singholi, the water collected in abandoned quarries is utilised for irrigation by means of jhalars. This tract though now rather depressed is better off than the Wal-the bands being in better order and the water-supply more abundant—and has many elements of prosperity.

The tahsil enjoys a fair rainfall, the average for the last 14 years being 23.68 inches, but of this only 1.45 inches falls in the 6 months October to March, and even this is very uncertain; consequently barani crops are little grown in the rabi. In five years the rainfall has fallen short of 20 inches, while in two it has exceeded 30, the extremes being 33.18 in 1891-92 and 10.35 in 1896-97. Owing to the natural slopes of the country especially in the Wal the rainfall unless held up by bands or small field-embankments has a tendency to run off into the Banganga.

Rupbas, the centre and headquarters of the tashil, is only 18 miles distant tant in a direct line from the railway at Bharatpur, but there is no direct route and cart traffic has to go round by Fattehpur-Sikri, which increases the distance to 24 miles. Even this route is often impracticable in the rains, most of the way being through a low-lying swampy country. The nearest and most popular outlet for traffic is to Fattehpur-Sikri and thence by metalled road

to the railway station at Achnera in Agra, which is distant only 16 miles from Rupbas. A good fair-weather unmetalled road for the traffic from the Bansi-Paharpur stone-quarries to Bharatpur has recently been constructed by the Executive Engineer, but this is not practicable for heavy traffic during the rainy months. Another unmetalled road much used for cross-traffic is that from Fatehpur-Sikri to Biyana which passes through Khanwa in this tahsil.

Rajputs, Jats, Brahmins, Gujars and Musalmans are in order the largest land-owning tribes. The first named are here as elsewhere indifferent agriculturists and bad revenue-payers, but they hold about one-third of the area and cultivation. The other tribes are of average industry. The tahsil as a whole in spite of the extraordinary increase of cultivation since 1890 (nearly 60 per cent.), has been going down-hill since the drought which began in 1895-96, and has continued with one year's break ever since. The contraction of the water-supply in the wells and the failure of the bands are the chief causes of the deterioration, but these are only temporary influences which will be removed by one or two years' good rainfall.

#### OOCHAIN.

16. Oochain is the only tahsil in the State which does not touch foreign territory. It has a total area of 146 square miles, of which 90 square miles or 61.5 per cent. are under cultivation. Of the khalsa area 61 per cent. is under cultivation, 9 per cent. (including State property) is unculturable, 3.5 per cent. is fallow and 26.5 per cent. is culturable. Thus although cultivation has increased by 20 per cent. since last settlement, the margin of Aand still available for cultivation is 30 per cent. of the whole. A good deal of this is the dense jungle formed by the Banganga inundations, which will cost much labour and money to reclaim, but there is also a large area of clear level land which will be at once broken up on the advent of more favourable seasons. Of the cultivated area 20 per cent. is chahi, 6 per cent. chahi-sairaba, 38 per cent. sairaba—regularly or occasionally inundated, 34 per cent. ordinary barani and only 2 per cent. bhur. The latter is found in small quantities along the banks of the Banganga, but chiefly at the foot of the hills separating Rudawal from Rupbas.

The tahsil like Rupbas falls into 3 well-defined natural divisions—(1)

(b) Natural divisions. the Jatmai with 32 estates in the broad plain on the north-west, (2) the Nadwas in the centre on both sides of the Banganga and Gambhir with 36 villages, and (3) the Rudawal pargana which was formerly a separate tahsil on the south and east with 28 villages.

The Jatmai, so called because the estates are owned chiefly by Jats, is the tract lying north of the Banganga and (1) The Jatmai. west of the Bharatpur-Oochain-Biyana road. The villages have a good clean level soil, but the well-water especially on the north towards the Bharatpur-Jaipur metalled road is often very bitter. Hence cotton is hardly grown at all on the wells, and though there is an ample water-supply the rabi crop too unless aided by rain is poor. Some improvement has, however, been affected on this side by the Haleyna canal from the Banganga, the spill from which fertilises the soil and aids the wells. average depth of wells is 22 feet to water and 13 feet of water for masonry wells, and 18 and 10 feet for kacha wells. On the south several villages, viz., Mai, Nangla Mai, Alipur, Atari, Jahangirpur, Atari, etc., are benefitted by the inundations from the old or present channels of the Banganga. These have a light soil like the Nadwas in which bajra and til thrive in the kharif, while gram, etc., is sown in the inundated lands. There are few bands in this tract, but it will be much benefitted by the extension of the Haleyna canal. This tract as might be expected has suffered severely from the recent drought, but the villages are generally strong communities and only want a few good seasons to recover.

The Nadwas is similar in character to the tract of the same name in Rupbas. Nearly all the villages are (2) The Nadwas. ganga and Gambhir, either receiving the natural flow by inundation which in some places has sanded over the cultivation and choked the wells close to the river, or regularly irrigated by the canals along the Biyana-Oochain-Bharatpur road which distribute the floods by means of regulators into a series of retaining bands, of which the chief are the Nekpur-Kanwasi and the Churari-Mirki bands. The junction of the old Banganga channel and the Gambhir is at Karka in this tract. East of this point the annual floods are now much reduced as the Banganga is exhausted by the numerous natural or artificial channels to the west, and the Gambhir floods are less than they used to be before the Kakund was dammed. Hence Oochain villages east of Karka are now rarely inundated. The wells have in consequence suffered, and the revenue has fallen into arrears, as the sairaba The soil close to the river is light land has now become high and dry barani. and sandy, but very suitable for kharif barani crops. Further north towards Bharatpur it is stiff clay and the water is generally bitter, e.g., in Churari Gujar, gotoli, Bara, Karka, etc. Water in this tract is very near the surface, the average depth being only 13 feet, while the depth of water is 20 feet. Where the inundations are regular the wells are little worked except in years of drought or when the winter rains fail, and then kacha wells are sunk in great numbers. The villages of this tract round Oochain have the best sairaba cultivation in the State, and even in this year's drought the rabi crops were

(3) Rudawal pargana on the south and east was formerly the most flourishing tract in the tahsil with a good clay soil—except for the bhur close to the hills on the south and east—wells numerous and sweet, and very advanced cultivation including a considerable area under sugarcane. The physical characteristics are similar to those of the adjoining Wal tract in Rupbas, and this tract has similarly suffered from the diminution of the water in the wells and the breaching of the bands at Khera, Rudawal, Sirond, Churari, etc. The prosperity of this tract is largely dependent on the village bands being kept in good repair and being regularly filled, and they are now being restored and improved. Four estates on the extreme south-west, viz., Bhawanpura, Joreta, Dumariya, and Rudawal, have this year had over 3,000 bighas irrigated from one of the canals from the Bareta band, and this irrigation when fully developed will help to restore the prosperity of this tract. The water level is about 26 feet and the depth of water 10 to 12 feet.

excellent.

The average annual rainfall is almost the same as at Rupbas, viz., 24·15

(c) Rainfall.

(d) Rainfall.

(e) Rainfall.

(e) Rainfall.

(e) Rainfall.

(f) Rainfall.

(f) Rainfall.

(h) Rainfall is almost the same as at Rupbas, viz., 24·15

(h) Rainfall.

(h) Rain

The present Jama is now very uneven. While it falls lightly on several of the canal-irrigated villages, it has become oppressive in several villages on the east which no longer receive the Banganga inundations. Moreover this inequality has been accentuated by a very bad distribution of the revenue instalments. When the present assessment was fixed the rabi was the chief crop in these villages, and the rabi instalment was fixed proportionately high. These villages now grow chiefly Kharif crops and discharge the kharif demand in full, but when called on for the rabi demand point to the fact that they have little or no rabi crops. A proper revenue administration would have met the difficulty long ago

by altering the instalments to agree with the relative importance of the harvest. But this simple remedy has been overlooked, and till last year the consequence was much larger arrears than were justified by the combined results of both harvests.

The tahsil is well served in the way of communications. An excellent metalled road connects the tahsil head-quarters with Sewar and Bharatpur, 7 and 11 miles distant respectively. There is a good unmetalled road from Oochain to Biyana, but this is often rendered impassable in the rains by Banganga inundations. The Rudawal pargana is not so well off, as the Gambhir and Banganga come between it and the railway at Bharatpur; but the road recently constructed from the Paharpur quarries to the capital has improved things somewhat. Rudawal itself is only 20 miles from the railway.

The agricultural population consists mainly of Jats, 30 estates, Sinsinwar Jats 12, Gujars 18½, Brahmins 14 and Rajputs 6. So that the industrious classes predominate. The two estates shown as State property are the town of Oochain which has no khalsa land attached to it and the State Rund of Karka. Having regard to the extension of cultivation and the development of irrigation the present jama cannot be considered high. It is however very unequal. Some villages with a large sairaba area are very lightly assessed and have benefitted enormously by the high prices of recent years, while others have given up struggling to pay an oppressive demand and were content to come under direct management or to accumulate arrears.

#### BIYANA.

of 313 square miles, of which only 101 or less than one-third are under cultivation.

About 150 square miles or 48 per cent. of the area is unculturable, of which hills occupy 100 square miles. Of the khalsa area 30 per cent. is under cultivation, 52 per cent. unculturable, 2 per cent. recent fallow and 16 per cent. culturable. Much of the so-called culturable is however very inferior, uneven, stony or sandy land in the Dang or Nahera, and this is the reason why the expansion of cultivation has been much less than in other tahsils, being only 5.5 per cent. since last settlement. The unculturable land offers at certain seasons excellent grazing to sheep, goats and even big cattle, of which the Gujars of the Dang and Nahera keep very large herds.

Of the cultivated area 31 per cent. is chahi—a higher proportion than in any tahsil except Bharatpur—2 per cent. chahi-sairaba, 13 per cent. sairaba, 44 per cent. ordinary barani and 10 per cent. bhur. The area of bhur in the barani cultivation is rather under-estimated and much of even the chahi land in the Nahera belongs to this class. The bhur of the Nahera and Dang is generally of a very inferior kind and grows only the poorest kharif crops.

As already explained there are three great natural divisions in this talisil—(1) the Kather or northern portion with 92 villages—the richest and most highly cultivated in the tahsil; (2) the Nahera or uneven sandy and rocky ground lying south-west of Biyana town up to the Bhusawar and Jaipur boundary and traversed by the Gambhir, with 45 villages; (3) the Dang embracing all the rocky hills and the intermediate valleys lying to the south of the Bareta band and running into the tracts of the same name in Dholpur and Karaoli. This has 31 villages, of which 8 on the high plateau to the south which slopes towards and drain into Agra are known as the Upper Dang, and the remaining 23 in the valley of the Kakund lying between the two chains of hills referred to in para. 12 are included in the Lower Dang.

Except for a low narrow ridge of hills which penetrates from Weir on the west and run due cast almost parallel to the Banganga for a distance of 6 miles with an opening at Agaoli through which the Banganga spill formerly passed into the Gambhir (see para, 7), the Kather is all a level plain sloping gently to the north-east. It is traversed from west to cast by the main

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channel of the Banganga which enters this tahsil from Bhusawar at Barkhera and deserting the old channel due east past Farsu breaks out north towards Ooehain. The Gambhir from the south runs almost due north dividing the tract almost equally, and then taking a sharp turn east joins the old channel of the Banganga at Karka in Ooehain. To the influence of these two streams the tract owes its large area of excellent sairaba and khatili land, and indirectly its unequalled chahi cultivation. The action of the Banganga has however in the pastbeen very eapricious, the frequent changes in its channel having all but ruined several villages by sanding over the cultivation, choking up, or carrying away the wells, flooding the village sites and transforming riel expanses of cultivation into sandy wastes. The deterioration is found ehiefly in villages close to the old channel, e.g., Farsu, Barkhera, Rundhera, while villages further to the north and south have benefitted enormously by the fertilising influence of the floods, which deposit the sterilising sand soon after they leave the channel. khatili eultivation in the bed of the Banganga is poor owing to the excessive amount of sand, while that of the Gambhir is excellent. The Gambhir also remains in flow longer than the Banganga, and there is some irrigation from jhalars on its hanks. The Kakund or such portion of it as escapes from the Bareta band traverses the eastern portion of the traet. Up to its junction with the Gambhir at Naddigaon it is in more or less intermittent flow throughout the year and has some very good erops in its bed, while the villages along the banks irrigate from it hy means of jhalars and dhenklis. Almost parallel with the Banganga runs the Jogi Nadi from Bhusawar on the west. receives the drainage of the hills on both sides, has a deep but narrow channel, and is a considerable torrent in the rains. Its overflow joined by the Banganga spill to the south forms a considerable swamp at Agaoli and Jhilka Bara on the Ocehain-Biyana road and is very beneficial to the villages lying east of the road. It finally joins the Gambhir near Karka in Ocehain. The large band at Khatnauli where it enters the tabsil on the west is now being renewed to hold up and distribute the waters of this torrent, and the Rieholi band on the east has also been restored. The southern portion of the Kather is fringed by more or less continuous hills, the drainage from which runs into the Gambhir and to intercept this there is a considerable series of bands which play an important part in the local agriculture. Many of these have been restored and extended by the State in recent years, and the rest were vigorously taken in hand this year, and will be completed before the rains.

The soil of this tract in the northern villages adjoining the Banganga is often light though productive and on the south towards the hills is frequently sandy or stony and uneven as in the adjoining Dang and Nahera tracts. In the centre and especially in the villages lying west of the Biyana road it is a firm and level loam, suitable for the growth of all the ordinary crops. In some of these, however, e.g., Salabad, part of Naoli, Nangla-Purohit, etc., the water is bitter and in places too the soil shows traces of kallar. Seven-eighths of the wells are, however, sweet. Water is found at an average depth of 24 feet and except in the villages running west from Biyana under the hills towards Bhusawar—where the bands had fallen out of order, but are now being repaired—and is generally abundant. The average depth is 19 feet in masonry and 10 in kacha wells.

The owners in the Kather are generally Jats and Dhakars—who are first elass, Gujars who are fair agriculturists, and Gaddis said to be the descendants of Punjabi Khatris converted to Islam in Aurangzeb's time—who are quarrel-some and slovenly and prefer to make a living hy working in railway workshops, etc., than by tilling the soil Though owing to the changes wrought by the Banganga some villages are still much depressed and rather over assessed, the tract as a whole is prosperous and steadily developing. Several villages on the east side are now irrigated from the Bareta band, and the irrigation will soon extend right up to the Gambhir. Some sugarcane and a good deal of maize is grown. Cotton is a favourite and successful crop and the dofasli area on the wells is considerable. In the present famine the tract showed hardly any signs of distress and the revenue was realised almost in full.

The Nahera with 45 estates is the tract lying south-west of Biyana, the south eastern boundary being the range of hills which forms the western boundary of the Dang plateau, while the northern boundary is formed by the broad

irregular range running west from Biyana town to Ballabgarh in Bhusawar. Between the two runs the Gambhir in a north-easterly direction and the drainage from the hills on both sides has cut up the soft sandy soil with a network of nalas or ravines, which formed an excellent ambush or hiding place in the past to the lawless and predatory Gujars, and still enable several outlaws to defy the law. All the best cultivation, viz., most of the chahi, the sairaba, and khatili, is to be found in the bed or on the banks of the Gambhir, and of its three large tributaries, the Talra and Gaddi Khor nalas from the north and the Raseri nala from the south. The intervening tracts are generally high sandy uplands often covered with dense jungle and known as bihar. In this some precarious cultivation is carried on in the kharif, and wells are occasionally to be found, but the water-supply away from the streams is poor and bad.

The only exceptions to this are the three fine villages of Kharcri, Bagrain and Khankhera under the hills on the west which have an excellent soil fertilised by the hill-drainage, numerous wells with good water, and grow large aroas of betel-nut. These with the two large villages of Secundra (where opium is grown) and Shergarh close to Biyana are the most prosperous in the tract. The nature of the country is a bar to the construction of irrigation dams. There are only two—at Secundra and Bagrain—and these are of little use.

The water level varies enormously from the low lands to the uplands, but the average is 41 feet, while the average depth of water is 12 feot in pakka and 7 in kacha wells. The latter are very common all over the tract. The supply is now low owing to the drought, and in consequence a good deal of zira is sown in chahi lands in the rabi. Henna (mehndi) is also grown as a mixed crop in some villages near Biyana. The owners are chiefly Gujars, rather a wild and lawless lot, but amenable enough if treated with sympathy and consideration. They are fair cultivators, and as the area of pasture is very large make considerable profits from their large herds of cattle.

The Dang differs from the Nahera in the fact that it is a plateau among rocky hills, in which stone rather (3) The Dang Upper and Lower. than sand predominates. These features are most marked in the Upper Dang, a quadrilateral jutting out south and bounded on the west by Karaoli, on the south by Dholpur, and on the east by Agra into which it drains. It has 8 villages with enormous areas owned ex-The surface is uneven and stony, and cultivation is limited clusively by Gujars. to the low lands in the beds of the numerous nalas or ravinos. Wells are very numerous and cost little as they are made of rough undressed stone without cement, but the water-supply is very poor and the area irrigated very small. In last year's drought many of the wells dried up completely and the population had to migrate in search of water. The evil has been aggravated by the neglect of the irrigation bands in the three villages of Kani, Ooncha, and Funds did not allow of their rostoration being taken in hand this year, but the Executive Engineer hopes to undertake the work next cold weather. In ordinary years there is abundance of grazing, and the Gujars make large profits from the sale of ghi, wool, etc., the proceeds of which are generally set apart by their thrifty house wives for payment of the State revenue.

The Lower Dang with 23 villages is the rocky plateau drained by the Kakund and extending from the Upper Dang to the Bareta band and the well-marked ridge of hills separating it from the Nahera. The soil is generally stony but in places sandy. The 11 villages on the western side benefit by the Bareta band which submerges much of the area in the kharif, but enables excellent rabi crops to be raised as the water dries up, and also raises the water-level in the wells. This is not however without its drawbacks, as kacha wells which formerly lasted 10 to 15 years now collapse after a year or two. Some of these villages have hitherto lost more than they have gained by the construction of the band, but the nalas and ravines are being filled up by the annual deposits, and if the water is run off in time to enable them to cultivate

a considerable portion of the area all will benefit in the long run. The 12 villages on the east and north remote from the influence of the band have large areas of bihar or uneven jungle and are much cut up by deep nalas running into the Kakund. These like the Upper Dang have suffered considerably from the drought as the wells have run dry and they are now much depressed. The average water-level is 33 feet, the average depth of water 11 feet. Besides the Bareta dam there is only one dam in this tract, viz., at Singhana on the extreme east through which the Khar nadi runs into Rupbas. This is under repair. There are other suitable sites, but they cannot be utilised without interfering with the supply of the Bareta work.

The Lower Dang too is owned almost exclusively by Gujars, a sturdy and manly lot, many of whom are in our native army. They have large herds of eattle, sheep, and goats, but in both the Dang and Nahera tigers and panthers often earry away the cattle, while other wild animals cause much injury to the crops.

The average annual rainfall at Biyana town since 1886 has been 26.83 inches, of which only 1.2 inches falls in the six cold weather months. The total is higher than for Oochain and Rupbas, and the head-quarters being surrounded by hills probably receives a heavier fall than the northern plains, I should be inclined to put the average for the whole tahsil at 25 inches. In two years of the fourteen the amount has exceeded 30 inches, while in four it has been less than 20. In 1896-97 and 1897-98 only 8.31 and 10.40 inches respectively were registered; but in the last three years the fall has been almost normal, though here as elsewhere the rainfall of the past two years has been very badly distributed as the September rains and the winter rains were practically nil.

Biyana town is 26 miles from the nearest railway station at Bharatpur viā

Oochain, with which it is connected by a good unmetalled fair-weather road. As the road crosses the valleys of the Gamhhir and Banganga communications are often interrupted for days at a time in the rains. The Dang and Nahera tracts are even more remote, and from the nature of the country are very badly served in the way of communications and are almost impassable for carts. Pack animals are therefore chiefly used for heavy traffic.

The chief agricultural tribes have been already noticed. Over half the area and 90 out of 168 estates are held by Gujars, Brahmins with 19 estates, Jats with 12, and Sinsinwar Jats with 8 estates come next in order. Hindu Rajputs and Mahomedan Gaddis hold 8 estates each, Minas 6, Dhakars 5, Sheikh Saiyads, etc., 5, Mallis and Kachis 5, and other tribes 2. One estate is still kham, and one, viz., Fort Secundra which contains the ancient fort and buildings and has no cultivation, is State property. On the whole therefore the tahsil has a strong and fairly numerous agricultural population. Aided by the flourishing well and sairaba cultivation and the irrigation from the Bareta band it has held its own during the recent years of strain and difficulty.

#### BHUSAWAR.

18. Bhusawar is one of the largest and after Gopalgarh, which has now been broken up, the highest revenue-paying tahsil in the State. The Jaipur State runs all along the west boundary. The tahsil comprises the parganas of (1) Bhusawar; (2) Weir formerly the appanage of the descendants of Raja Partab Singh, younger brother of Suraj Mal, but resumed by the State in the last century; (3) the small pargana or jagir of Ballabgarh on the extreme south with 13 estates which was granted originally by Jaipur about 1721 A.D. to Chaudhri Ratti Ram, the Jat Sirdar of Ballabgarh, and was maintained to his descendants by the Bharatpur Rajas on condition of military service. It was temporarily taken over by the late Maharaja in 1880 in discharge of a debt. This jagir being for the present khalsa has been brought under assessment like other khalsa villages, but its assessment will be separately

shown to provide for the contingency of its being restored to the Jagirdar, Faujdar Debi Singh, Member of Council.

The total area is 234 square miles, of which 130 or 56 per eent. are under The khalsa area is 220 square miles, of which 54 per cent. is under cultivation, 23 per cent. is unculturable (viz., 12 per cent. or 27 square miles under hills, and 11 per cent. otherwise unculturable), 7 per cent. is recent fallow and 16 per cent, old banjar suitable for cultivation. Hence there is ample room for extending cultivation, but owing to various causes, which will subsequently appear, the increase since last settlement has been less than 3 per Much of the culturable is dense but rather sandy jungle along the banks of the Banganga, overgrown with high reeds, etc., the breaking up of which is Special arrangements have now been made to lease laborious and expensive. out this for eultivation on favourable terms. Part of the culturable land represents holdings abandoned by the old owners owing to drought or pressure of assessment which has gradually fallen out of cultivation. For this arrangements have now been made either by reinstating the old owners, or if they refuse, by allotting it to other agriculturists. Finally some of the culturable especially under the hills on the south is light sand soil barely worth the expense of cultivation.

Of the cultivated area 33 per cent. is chahi, I per cent. chahi-sairaba, I rer cent. khatili, 4 per cent. sairaba, 51 per cent. barani and 10 per cent. bhur. The bhur or inferior sandy soil is met with chiefly along the banks of the Banganga where sand has been deposited and also under the hills in the south of Bhusawar and Ballabgarh. In Weir there is very little even under the hills as these are composed of bare rocks.

Excepting the hilly portion on the south, all the rest lying north of a line from Bhusawar to Weir is a fairly level plain sloping gently to the north-east and crossed from west to east by the Banganga which has a course of 16 miles through this talisil. The soil of this portion is generally a fairly good loam, wells are very numerous and well water is generally sweet though there are many villages close to the Banganga as well as at a distance from it, e.g., Chonkarwara, Kallan, Salimpur, Jahanpur, Bijwari, Kherli, Gujar, Bewar, etc., where the water is very bitter, cotton in consequence is not sown at all on the wells, and even after a rabi crop is raised the land has often to be left fallow for a year to get rid of the injurious effects of the saline water.

The southern or hilly portion of the tahsil has a lighter soil except in Weir. Water is generally sweet but far from the surface and owing to the drought of recent years now very low. In the whole tahsil about 80 per cent. of the wells are sweet and about 20 per cent. bitter, brackish or only—the last kind being the most injurious for agriculture.

The tahsil naturally falls into four main sub-divisions—(1) the northern or Trans-Banganga with 42 estates, (2) the small Ballabgarh pargana with 13 estates on the extreme south, and between these two (3) the Bhusawar pargana on the west and (4) the Weir pargana on the east.

The estates north of the Banganga have a good clean level soil in which the Banganga.

(1) North of the Banganga.

(2) North of the Banganga.

(3) North of the Banganga.

(4) North of the Banganga.

(5) Rharif barani crops thrive and pala grows in profusion. Along the Banganga this changes into uneven sandy Bet land in which pula grows. Owing to the proximity of the stream the water level is near—26 feet for masonry and 23 in kacha wells—and the supply generally abundant—13 feet in masonry and 8 in kacha wells. The quality is, however, very variable and the prosperity of a village generally depends on whether its wells are sweet or bitter.

The Banganga here flows through fairly high beds and ordinarily inundates only 351 bighas in the two low-lying villages of Hatinjar and Nimatpur. As explained in paragraph 7 it is liable to burst through its banks in years of high flood, and in 1881 it broke out north at Khanpur on the extreme west and at Thilehahi close to Halevna and flooded all the country to

the north. The Pathena and Haleyna canals now take out from these points. The former is still under construction, but the latter has already irrigated a considerable area in Haleyna and the villages east of it on both sides of Bharat-pur-Jaipur road which is used as a training work, and has also done much to improve the wells. There is no band in these northern villages, as there are no suitable sites, but they will benefit immensely by the extension of irrigation from the two canals mentioned. Owners are chiefly Jats, and as a rule men of more substance and energy than in the villages to the south.

The soil in the northern portion of the Bhusawar pargana is similar to that of the Trans-Banganga villages being a fairly good level loam, but it deteriorates as we go south towards the hills and becomes a yellowish mixture of hill sand and clay. This even where to the eye it appears stiff and firm is very inferior in productive power, and pala will not grow in it. Around Bhusawar itself is found a species of reddish bhur very light in texture which is particularly suitable for the growth of mango and mahua trees.

The local custom is that any one is at liberty to plant a mango tree even on another man's land, but in the latter ease half the produce goes to the owner of the land, half to the owner of the tree. The encouragement thus given has led to about 8,000 mango trees being planted in and around Bhusawar. Some of these are 100 years old, and in the village of Ataonda there is a single tree the fruit of which sells annually for Rs. 50 to 100. The more valuable trees have their own special names. These trees were till lately taxed by the State in various ways. Up to A. D. 1882 the State took one-third of the produce. In 1883, the trees were grouped into four classes according to the estimated quantity and quality of the produce and (1) where the soil was not previously assessed a tax of from 3 annas to 12 annas per tree was imposed, (2) where the land was already assessed the tax varied from 9 pics to four annas per tree. The average income to the State from trees in khalsa lands (excluding trees and gardens owned by the State) was for the 5 years ending in 1894-95 Rs. 1,903 per annum. In 1896 when a number of miscellaneous taxes and imposts were remitted this tax on the mango trees was also abolished. This was I think a mistake. The land under these trees was either not assessed at all, or assessed very lightly at last settlement on the understanding that the tax on the trees would be maintained. The mango trees are a valuable property as will appear from the fact that 2954 trees are now held in mortgage for a total amount of Rs. 7,552 or Rs. 2-8-0 per tree. The State is entitled to a share of this produce, as it is entited to a share of the other-produce of the land, and in similar circumstances the British Government taxes date trees in Mooltan and the Derajat. I therefore propose that in the new assessment the produce of these trees be taken into account as part of the assets of the estates to which they belong, and included in the assessment which willshow separately the amount charged on the land and on the mango trees. people will then be consulted as to whether the latter amount will be distributed over the land or maintained as a separate charge on the trees.

Wells are very numerous in this tract, but on the north between Bhusawar town and the Banganga where the soil is stiff the well water is very brackish in some 10 or 12 estates. The average water-level is 30 feet while the depth of water averages 5 feet in kacha and 10 in masonry wells. Towards the Banganga water is fairly plentiful, but on the south round Bhusawar there are general and well founded complaints of its inadequacy, and within the last two years great numbers of kacha wells have been sunk to make good the deficiency. Besides the deficient rains of late years another cause of the diminution of the supply is the damming of the Chohi torrent in Jaipur at Ghanna Garauli about 35 miles west of Bhusawar town. This stream, which in the rains used to bring down a great volume of water, enters the tahsil at Randbirgarh, flooded the low ground around Bhusawar, and after filling the bands of Garhi, Musapur, and Baroli, finally emptied itself into the great Ataripur band—4 miles long—on the north-east of the tract, whence the overflow in years of heavy rainfall run due east into

the Lalpur band north of Weir. Of recent years none of these bands has filled as the Chohi has never come down in heavy flood and hence the water supply in the wells has been much reduced. An attempt has been made (see para. 7(e)) to supplement the deficiency by cutting a channel from the Banganga at Oohlu, 8 miles off to the Ataripur band, but this has never worked satisfactorily and a new channel from Mala Hera three miles further east is now being dug. Besides the bands mentioned there are several small bands in villages to the south of Bhusawar which hold up the rainfall from the hills. These have recently been repaired by the State, but have never yet filled properly, and the sairaba area in this pargana is at present small and of inferior quality. The owner in this tract are generally Jats, Brahmins, Dhakars and Gujars and are excellent cultivators. The Henna plant (mehndi) is grown in Bhusawar. The estates are very uneven as regards quality and prosperity. Those in which water is sweet and abundant are flourishing, while a large number owing to bitter wells, failure of water, etc, have broken down; and large areas have gone out of cultivation owing to the desertion of shareholders.

The Weir pargana on the east of the tahsil is a level plain on the north from Weir to the Banganga similar to the adjoining tract in Bhusawar. The portion lying south of Weir is very hilly and the four large estates of Jahaj, Hatori, Umrend and Tuhari are quite shut in by hills. The soil which is rather light towards the hills gets stiffer to the north, and as there is a rather sharp slope to the Banganga the local rainfall and the drainage from the hills runs off where not impounded by irrigation dams. Hence nearly evory village in this tract has its band and some have more than one. The bands here as elsewhere had been much neglected during the reign of the late Maharaja to the great disadvantage of the land and the wells, but within the last three yoars tho State has wisely laid out considerable sums in restoring them. The seasons have not, however, been favourable, and only a few, viz., those of Moroda, Khohri, Raniwala (Weir town), Kotha, and Rajgarh have filled well. The wells, which are generally sweet, are very low in many villages.

The greatest irrigation work in this tract is the Lalpur band subsidiary to which are the Jiwad, Bansi, Lohasa, Ajrond bands, all lying between Weir town and the Banganga. These are fed partly by the overflow from the Ataripur band in Bhusawar; but since this source has failed they derive their supply chiefly from a channel from the Banganga through Hasaonda. This has worked admirably and the best sairaba cultivation in the tabsil is to be found on these bands. A very large area within these bands and also inundated by the Banganga is at present dense junglo, much of it being State Runds. All of this, except 1,500 bighas retained for State uses has now been leased out for cultivation, and if irrigation can be provided will be speedily brought under the plough. On the extreme south of the tract the drainage of the mass of broken hills around Jahaj with a catchment of 12 squaro miles of rocky ground runs west towards Balabgarh, and was formerly held up by a masonry dam in Jahaj constructed in 1881 at a cost of Rs. 24,000. This burst in the first heavy rains thereby causing the breach of the Ballabgarh band a little further west, and since then all this valuable drainago has passed away uselessly to Jaipur. The restoration of the Ballabgarh band at the expense of the jagir has now been sanctioned.

As Bhusawar is famous for its mange groves so is Weir famous for its produce of the ber fruit or wild plum. The land under these gardens will in future as in the past be assessed as barani cultivation. Pala grows in profusion, and there is much culturable waste, but though the soil with careful handling would yield excellent barani crops, the agriculturists concentrate their industry chiefly on the wells and the barani is neglected.

This tract with a good soil, numerous wells and irrigation dams, was in former days—as the name implies—one of the richest tracts in the State. It is now suffering from a severe but temporary depression which will be removed by a year or two of good rainfall sufficient to replenish the wells and fill the bands. The chief proprietors are in order of industry and prosperity, Dhakars Gujars and Gaddis.

The small Ballabgarh pargana on the extreme south is at present the most prosperous and highly cultivated portion of (4) Ballabgarh pargana. (4) Ballabgarn pargana. the tabsil. All the villages but one— Nithari—are in the jagir of Faujdar Debi Singh, member of the State Council, whose claim to recover possession from the State (see para. 4) is pending before the Political Agent. The zamindars are Jats and Minas, extremely industrious, and the chahi cultivation is very superior, water being sweet and the soil—a light reddish loam-very generous. Since the breaching of the Ballabgarh band the water level has sunk and the supply diminished—the average is now 39 feet to water level and 9 feet of water, -but the restoration of the band will improve matters. All the local drainage now runs off in deep nalas south-west into Jaipur. I may here note that the Jagirdar elaimed full proprietary rights in all these estates, but after full enquiry it was found that the present village communities were in existence long before the grant of the jagur, the zamindars had freely exercised their right to sell and mortgage their lands to one another, and as the accepted tradition in the Bharatpur State is that a Jagirdar is entitled only to the revenue of the land, not to the land itself, I decided that the zamindars of all those estaces, except Ballabgarh and shares in a few villages which are admitted to be the hereditary property of the Jagirdar—held the same proprietary rights as in khalsa villages.

The rainfall of Bhusawar is practically the same as that of Biyana.

(c) Raiufall.

There are two registering stations, at Bhusawar and Weir. The average rainfall for the former is 25.69 and for the latter 26.34 inches. The average cold weather fall is 1.4 inches, but in five years out of the last fourteen it has fallen below half an inch. This is the chief reason why gram and oilseeds are so sparingly grown even where the land is eminently suited for them. The rainfall of the last 5 years has not only been very much below the average, viz., 19 inches against an average of 26, but has been very badly distributed, as in four out of the five years the September rains were less than an inch and the winter rains less than half an inch, and this, which has reacted on the wells and bands on which the agricultural prosperity of the tahsil mainly depends, is the chief cause of the present depression.

Bhusawar and Weir, the two chief towns in the tahsils are distant 16 and 14 miles respectively from the railway station of Nadbai, and Bhusawar is only 12 miles distant from the Kherli station in Alwar. The Banganga however comes in between, and its broad sandy bed, and the large deposits of sand on each side of it are a serious obstacle to heavy traffic even in the dry weather, while in the rainy season traffic is often interrupted for days. The Agra-Jaipur metalled road which passes though Haleyna and runs close to Bhusawar intersects the tahsil transversely. This was formerly an important mail route and was then well maintained, but since the opening of the Rajputana-Malwa Railway it has lost its importance and is now maintained in a tolerable state only as far as Haleyna. Tho old Moghul highway from Agra to Jaipur also passed through this tahsil, and its course can still be traced by the milestones, signposts, and the remains of the mosques and rest-houses. A fair unmetalled road runs from Bhusawar to Weir and on to Biyana.

The agricultural tribes are in order of importance Jats who hold 65 (e) Agricultural population.

(f) Agricultural population.

(g) Agricultural population.

(h) Agricultural population.

possession of all or part of their ancestral lands, so that, given a few good seasons and a watchful and sympathetic revenue administration a speedy recovery may be anticitpated.

19. Having described with perhaps needless prolixity the special features of each tahsil, I now return to the general description. The relative importance of the different classes of soil in each tahsil will appear from the following table, which shows the proportion of each class to the total cultivation (a) at last settlement, (b) in 1898-99, the year taken as the basis of the new assessment, and (c) for purpose of comparison in the year 1893-1900, which was however an abrormal one:—

|          |           |    |           |     |  | Спапі. |        |            |        | Cnahi-Sairada. |         |        |              | Sateada. |       |         |               | I      | Babani, |       |           |                 |
|----------|-----------|----|-----------|-----|--|--------|--------|------------|--------|----------------|---------|--------|--------------|----------|-------|---------|---------------|--------|---------|-------|-----------|-----------------|
| Tahsil.  |           |    | Detail.   |     |  | Пај,   | Sabika | Temporary. | Total. | Hal.           | Sabika, | Total. | Total chahl, | Khatill. | Ifal. | Sablka. | Barishi.      | Total, | Barank  | Bhur. | Total.    | Grand<br>total. |
| ,        |           | {  | 1891-92   | 1** |  | 21     | 9      | •••        | 30     | •••            | •••     |        | 30           |          | ,,,   | ,       | À             | 25     | 44      | 1     | 45        | 100             |
| Rupbas   | <b></b> . | }  | 1808-09   | ••• |  | 8      | 6      | 2          | 16     | 2              | ***     | 2      | 18           | 1        | G     | 13      |               | 10     | 53      | 10    | 63        | 100             |
| ì        |           | Į  | 1800-1000 | ••• |  | 8      | 4      | 3          | 15     | 4              |         | 4      | 10           | 1        | 10    | 9       |               | 19     | 52      | 9     | 61        | 100             |
|          |           |    | 1891-93   | ••• |  | 30     | 7      |            | 37     | ,<br>          |         |        | 87           |          | ٠.,   | د       | 8             | 18     | 45      |       | 45        | 100             |
| Oochain  | •••       |    | 1693-99   | 601 |  | 14     | 6      | •••        | 20     | 5              | 1       | 6      | 26           |          | 26    | 12      |               | 39     | 31      | 2     | 86        | 100             |
|          |           | \( | 1899-1900 | ••• |  | 15     | 4      |            | 10     | 10             | 1       | 11     | 30           | 1        | 18    | 13      |               | 81     | 35      | 3     | 33        | 100             |
|          |           | ſ  | 1891-92   | ••• |  | 33     | 6      |            | 39     |                |         |        | 39           |          |       | <u></u> | )<br>^,<br> 4 | 14     | 47      | •••   | 67        | 100             |
| Bijana   | •••       | {  | 1809-00   | ••• |  | 25     | 5      | 1          | 31     | 2              | ***     | 2      | 33           |          | 9     | 3       | 1             | 13     | 41      | 10    | 54        | 100             |
|          | •         | {  | 1609-1000 | ••• |  | 25     | 4      | 1          | 80     | 3              | 1       | 4      | 31           | 1        | 9     | 2       | 1             | 12     | 41      | 19    | 63        | 100             |
|          |           | {  | 1891-02   | ••• |  | 31     | 9      |            | 43     |                |         |        | 43           |          | 3     | 1       |               | 4      | 53      |       | <b>53</b> | 100             |
| Bhusawar | ***       | {  | 1899-69   | ••• |  | 26     | . 8    | •••        | 33     | 1              |         | 1      | 31           | 1        | 4     |         |               | 4      | 51      | 10    | 61        | 100             |
|          |           | Į  | 1500-1000 | ••• |  | 21     | 8      | 1          | 33     | 2              |         | 2      | 33           |          | 3     | 1       |               | 4      | 51      | 10    | C1        | 100             |

20. The classes of soil are the same as those described in para. 16 of Increase and decrease of the different last; year's report with the addition of (1) classes. chahi-sairaba hal, i.e., land inundated from the Banganga or from bands as well as irrigated from wells, (2) chahi-sairaba sabika, i.e., land which has both sources of irrigation but received neither during the year. This latter class is of little practical use as in assessment it will be grouped with chahi sabika. The first class is however important in these tahsils and will be separately rated.

At last settlement the classification was not so claborate as now, and does not show with any accuracy the details of the major classes—chahi, sairaba and barani. We must therefore be content to compare the totals under these major classes. Looked at in this light the figures show, (1) a considerable falling off not only in the proportion of chahi to total cultivation, but of the total chahi area as compared with last settlement in all four tabsils; (2) the sairaba area has actually increased in all tabsils but Biyana, where it is stationary; but if the areas of 1899-1900 be taken in Biyana, it shows a great increase and has increased relatively to the total cultivation in Biyana and Bhusawar; (3) the total barani area including bhur has increased enormously in Rupbas, fallen off slightly in Oochain—owing to the extension of sairaba—increased absolutely and relatively in Biyana and Bhusawar owing to the breaking up of new lands and the decrease in well irrigation.

21. The following table compares in detail the statistics of wells, chahi area, and area actually irrigated at last settlement and now:—

|          |       |           |     |         | 2     | IASONRY | WELLS. |                |              | касна            | WELLS.       | DHERS<br>KI | DHIN<br>Lis | CHAHI AREA. |                       |               |          |  |
|----------|-------|-----------|-----|---------|-------|---------|--------|----------------|--------------|------------------|--------------|-------------|-------------|-------------|-----------------------|---------------|----------|--|
| Tabsil.  |       | Detail.   |     | Detail. |       | Woreing |        | Worl           |              |                  |              | ar.         |             |             |                       |               | in year. |  |
|          |       |           |     | Wells.  | Laos. | Wells.  | Laos.  | Total working. | Out of work. | Working lu year. | In rotation. | Permanent.  | Temporary.  | Total.      | frigated within year. | lıy dhinkiis. |          |  |
|          | (     | 1891-92   | ••- | 676     | 931   |         |        | 676            | 274          | 71               | •••          | 1           | ***         | 15,314      | 11,727                | , •••         |          |  |
| Rupbas   | {     | 1899-99   |     | G41     | 814   | 145     | 220    | 780            | 246          | 264              |              | 2           | 25          | 14,559      | 9,642                 | .27           |          |  |
|          | Į     | 1899-1900 | ••• | 681     | 856   | 129     | 203    | 803            | 230          | 407              | •••          | 2           | 82          | 16,318      | 12,622                | . 60          |          |  |
|          | {     | 1591-92   |     | 1,331   | 1,759 | 71      | 71     | 1,402          | 426          | 94               | 1            | 27          | ***         | 37,953      | 30,299                | ***           |          |  |
| Oochain  |       | 1899-99   | ••• | 1,174   | 1,555 | 266     | 390    | 1,440          | 420          | 92               | 14           | 13          | 41          | 31,951      | 23,928                | 52            |          |  |
|          | 1     | 1899-1900 | ••• | 1,352   | 1,790 | 269     | 211    | 1,561          | 299          | 291              | 7            | 14          | 423         | 33,783      | 28,616                | 407           |          |  |
|          | į     | 1891-92   | ••• | 1,933   | 2,541 | 4**     | 414    | 1,933          | 317          | 786              | 1            | Б           |             | 52,671      | 44,839                |               |          |  |
| Biyana   |       | 1898-99   | ••• | 1,776   | 2,549 | 106     | 129    | 1,892          | 301          | 614              | 47           | . 21        | 21          | 46,880      | 30,001                | 50            |          |  |
|          |       | 1899-1900 | *** | 1,856   | 2,318 | 93      | 106    | 1,954          | 299          | 725              | 57           | 25          | 465         | 49,606      | 41,434                | 450           |          |  |
|          |       | 1891-92   | ••• | 2,099   | 2,757 | 32      | 101    | 2,130          | 451          | 417              | 21           | 3           |             | 79,878      | 63,349                |               |          |  |
| Bhusawar | ••• • | 1899-99   | ••  | 1,945   | 2,743 | 294     | 422    | 2,239          | 400          | 537              | 47           | 242         | 49          | 66,263      | 50,242                | 373           |          |  |
|          |       | 1809-1000 | ••  |         |       |         |        |                |              |                  |              | ***         |             | ***         |                       | ••            |          |  |

These figures show (1) that the total number of masonry wells at work has increased since last settlement in all tahsils, but the number actually working in the year had fallen off in 1898-99, but increased considerably in 1899-1900 owing to the stimulus of the drought, and for the same reasons the number of wells out of work shows a steady decrease in all tabsils since last settlement, (2) the drought also gave a considerable stimulus to the sinking of kacha wells which have increased considerably in all tabsils but Biyana, and (3) temporary dhers and dhenklis increased enormously in 1899-1900, having been sunk wherever possible to save the sairaba and khatili crops, (4) as regards the number of working wells all tahsils but Biyana are now better off than at last settlement, but owing to the diminution of the well supply the efficiency or irrigating power of these wells has been much reduced; so that (5) the total chahi area and the area actually irrigated within the year show a great falling off in 1898-99 as compared with last settlement, and although to remedy this and cope with the drought the number of working wells increased considerably in 1899-1900, the areas did not come up to the standard of last settlement except in Rupbas.

We are safe however in drawing the conclusion that given normal rainfall and ordinary years, the well irrigation will exceed rather than fall short of the figures of last settlement. The great increase in *kacha* wells in recent years in Rupbas, Oochain and Bhusawar is due to their having been sunk wherever possible to eke out the irrigation from masonry wells. The wells working in rotation, *i. e.*, in alternate years or out of work are generally brackish or bitter wells which cannot be worked regularly without injuring the soil. Hence they are relatively most numerous in Oochain.

22. This point will be more readily understood from the following table Classification of wells according to which classifies the wells of each tabsil quality.

according to the quality of the water and shows the area irrigated in 1898-99 from each class:—

|                 |       | (                            |   |                  | RUP          | BAS.                 |           |                   | 0001         | IAIN.               |                  |                    | BIT           | ANA.                  |                    |                     | BHUS          | AWAR.                  |                      |
|-----------------|-------|------------------------------|---|------------------|--------------|----------------------|-----------|-------------------|--------------|---------------------|------------------|--------------------|---------------|-----------------------|--------------------|---------------------|---------------|------------------------|----------------------|
|                 |       |                              |   | Wei              | LLE.         | Сп                   | ui.       | 277               | LLS.         | Сн                  | AHI.             | W                  | LLS.          | Сп                    | AHI.               | 177                 | LLS.          | Cı                     | IAHI.                |
| Class of wells. |       | Details.                     |   | Working.         | Not working. | Hal.                 | Sabika.   | Working.          | Not working. | Hal.                | Sabika,          | Working.           | Not working.  | Hal.                  | Sabika.            | Working.            | Not working.  | Hal,                   | Sabika.              |
| Sweet .         | {     | Masonry<br>Kacha             |   | 490<br>207       | 112          | 6,183<br>1,158<br>-  | 3,618     | 600<br>600        | 137<br>14    | 10,126<br>474       | 4,054<br>255     | 1,511              | 90            | 28,21;<br>4,877       | 5,635<br>1,268     | 1,411<br>403        | 220<br>45     | 32,940<br>4,313        | 1                    |
| •               |       | Tota <b>l</b>                |   | 693              | 112          | 7,341                | 3,618     | 669               | 151          | 10,000              | 5,209            | 2,080              | 131           | 33,118                | 6,903              | 1,901               | 265           | 37,253                 | 13,410               |
| Oily            | {     | Masonry<br>Kacha             |   | <br>9            | 1            | 209                  |           | 8                 | 2            | 131                 | <b>6</b> 0       | 47<br>16           | 1             | 1,012                 | 271<br>30          | 102<br>5            | 22            | 2,253<br>70            | 791                  |
|                 | ł     | Total                        |   | Đ                | 1            | 203                  | 12        | 8                 | 2            | 131                 | 60               | 63                 | 5             | 1,142                 | 391                | 107                 | 22            | 2,332                  | 800                  |
| Hard            |       | Musonry<br>Kacha             | : | •••              |              |                      | •••       |                   |              |                     | •••              |                    |               | , <b>.</b>            |                    | 128<br>6            |               | 3,569<br>53            | 630<br>20            |
|                 | Į     | Total                        | - |                  |              |                      | ,         |                   |              |                     | •••              |                    |               |                       |                    | 131                 | 3             | 3,622                  | 639                  |
| Brackish        | · . { | Masonry<br>Kacha             |   | 71<br>3          | 7            | 1,211<br>3           | 612       | 252<br>12         | 45           | 5,420<br>195        | 1,439            | 116<br>14          | 2             | 2,510<br>144          | 232<br>25          | 81<br>2             | 15            | 1,705<br>6             | 313                  |
|                 | l     | Total                        |   | 71               | 7            | 1,217                | 012       | 261               | 45           | 5 621               | 1,439            | 130                | 2             | 2,655                 | 257                | 63                  | 15            | 1,711                  | 313                  |
| Bitter          |       | Masonry<br>Kacha             |   | 75<br>27         | 25<br>•••    | 917<br>129           | 575       | 314<br>11         | <br>         | 7,408<br>168        | 1,318            | 103<br>14          | 10<br>2       | 1,897<br>190          | 363<br>55          | 223<br>31           | 31            | 5,090<br>211           | 713<br>69            |
| •               | l     | Total                        |   | 103              | 25           | 915                  | 675       | 325               | 82           | 7,576               | 1,318            | 117                | 12            | 2,097                 | 418                | 254                 | 36            | 5,324                  | 771                  |
| Total           | {     | Masonry<br>Kacha<br>Dhenklis |   | 611<br>237<br>27 | 145<br>      | 8,453<br>1,280<br>27 | 4,817<br> | 1,174<br>92<br>51 | 266<br>11    | 23,091<br>837<br>52 | 7,771<br>255<br> | 1,777<br>613<br>45 | 196<br>47<br> | 83,060<br>5,341<br>50 | 6,501<br>1,378<br> | 1,045<br>537<br>290 | 291<br>47<br> | 45,517<br>4,695<br>365 | 14,180<br>1,633<br>8 |
|                 |       | GEAND TOTAL                  |   | 905              | 145          | 0,763                | 4,817     | 1,329             | 250          | 23,080              | 8,026            | 2,439              | 153           | 30,051                | 7,870              | 2,772               | 311           | £0,G07                 | 16,023               |

Put in the form of percentages the result is-

|            | Detail. |     | Rupbas. | Occhain. | Biyana.        | Bhusawar. |  |  |
|------------|---------|-----|---------|----------|----------------|-----------|--|--|
| Sweet Oily | •••     |     | 80<br>1 | 55       | 87<br>3        | 76<br>- 4 |  |  |
| Brackish   | •••     |     | S       | 19       | 5              | 9         |  |  |
| Bitter     | ***     | ••• | 11      | 25       | <sup>*</sup> 5 | 11        |  |  |

which shows that in Oochain nearly half the wells are oily, brackish, or bitter, and irrigation from them unless supplemented by rain is injurious to the land in the long run, while in the other tabilist he proportion of such wells is one-fourth in Bhusawar, one-fifth in Rupbas and one-eighth in Biyana.

The large area of chahi-sabika shown opposite each class of well is due to several causes, of which the most obvious are (1) the insufficiency of the well water, (2) the necessity of growing a dry crop after an irrigated one on bitter wells so as to arrest deterioration, (3) the want of sufficient cattle, etc., to work the wells fully.

Double cropping and average area irrigated per lao.

23. Double cropping is generally confined to sweet wells on which if the water-supply is sufficient maize, cotton, and bajra in the kharif are followed by wheat, barley, or zira in the rabi.

The area so double cropped within the year of attestation was—

| Rupbas   | 2,887  | bighas of | r 29 | per cent |
|----------|--------|-----------|------|----------|
| Oochain  | 4,254  | ı         | 18   | ,,       |
| Biyana   | 14,070 | 2)        | 36   | "        |
| Bhusawar | 10 157 | , ,       | 20   | • • •    |

The average area irrigated per lao or well-rope works out as follows for the different classes of wells:—

|               | Detail | •   |     | Rupbas. | Occhain. | Biyana. | Bhusawar. |
|---------------|--------|-----|-----|---------|----------|---------|-----------|
| Masonry wells | •••    | *** | ,,, | 11      | 15       | 15      | 17        |
| Kacha         | •••    | *** |     | 41      | . 8      | 9       | 9         |

The average is fairly uniform except in Rupbas, where it has been much reduced by the failure of the wells in the Wal tract. A dhenkli on the average irrigates 1 to 1½ bigha.

Kinds of wells in use.

24. The classification of wells according to method of construction is as follows:—

|                  | Detail.  |       | Rupbas.   | Oochain. | Biyana. | Bhusawar.  |
|------------------|----------|-------|-----------|----------|---------|------------|
| Masonry          | •••      | ***   | <br>702   | 1,241    | 643     |            |
| Pathraura or loc | se stone | •••   | <br>329   | 199      | 1,239   | •••        |
| Kacha pakka      | •••      | •••   | <br>***   | ***      | 283     | ***        |
| Kacha            | **1      | •••   | <br>264   | 106      | 377     | •••        |
|                  |          | Total | <br>1,295 | 1,546    | 2,542   | <b>***</b> |

Masonry wells, i.e., in which a masonry cylinder is first constructed and sunk from above or which are built up from below, are most common in the open plains and in the area flooded by the Banganga. They are more expensive than the other forms, but last longer and usually have a better water-supply as they tap the spring level.

The pathraura wells made of loose stone generally undressed and without mortar or cement, are found in the stony lands under the hills, are very common in the Wal of Rupbas and almost universal in the Dang of Biyana. They cost comparatively little, but dry up quickly in a drought as they often depend for their supply on the percolation of the surface drainage and do not tap the spring-level. Kacha-pakka wells are most common in the Nahera of Biyana where the water level is very deep, and to ensure greater stability from 10 to 20 feet at the mouth of the well is lined with masonry.

Kacha wells are most common in Biyana and Bhusawar. They generally require a firm subsoil. Their increase in recent years is due to the necessity of supplementing the failing supply in masonry wells.

Takavi advances. 25. The following table shows the amount of takavi advanced by the State for wells and other purposes and the number of wells constructed:—

|          |         |       |     | ADVANC    | ED BEFO   | RE 1690.              | -      | ΔD                    | AYNCRD  | SINCE 18  | 90.       |          | NUMBER OF WELLS. |           |                     |
|----------|---------|-------|-----|-----------|-----------|-----------------------|--------|-----------------------|---------|-----------|-----------|----------|------------------|-----------|---------------------|
|          |         |       |     |           |           |                       | For bu | llocks an             | d seed. |           | For wells |          |                  |           | tion.               |
|          | Tahsil, |       | -   | Adranced, | Realised. | Realised.<br>Balance. |        | Realised.<br>Balanco. |         | Advanced. | Realised. | Balance. | Newly made.      | Repaired, | Under construction. |
| Rupbas   | •••     | •••   | ••• | 4,422     | 3,971     | 551                   | 18,700 | 17,195                | 1,515   | 7,709     | 6,031     | 1,676    | 37               | 7         |                     |
| Oochain  | •••     | ***   | *** | 6,931     | 4,617     | 2,001                 | 35,458 | 31,837                | 631     | 11,740    | 11,019    | 721      | 29               | 9         |                     |
| Blyana   | ***     | ***   | •   | 65,701    | 55,025    | 10,766                | 25,602 | 22,727                | 2,875   | 10,649    | 6,315     | 2,334    | 33               | 26        | 8                   |
| Bhusawar | •••     | ***   | ••• | 6,087     | 6,550     | 417                   | 15,391 | 13,115                | 279     | 15,245    | 14,321    | 924      | 52               | 23        | 7                   |
|          |         | Total |     | 61,011    | 70,273    | 13,738                | 03,154 | 67,654                | 5,300   | 45,343    | 30,686    | 5,657    | 151              | 65        | 10                  |

The advances in these tahsils since 1890 have been far more liberal than in the Central or Northern tahsils. Over Rs. 90,000 have been advanced in the four tahsils for seed and bullocks, and over Rs. 45,000 for construction or repair of wells with which no less than 151 new wells have been sunk, 65 have been repaired, and 10 are under construction.

In para. 13 of last year's report I indicated the lines on which the takavi system should be worked. The necessity of having a liberal but well-supervised system in these tahsils is all the greater, as in all tahsils but Rupbas half or more of the revenue demand is paid by the wells.

26. The leading feature of natural and artificial irrigation from Banganga and Gambhir floods and irrigation dams Sairaba cultivation and bands. have been described in the remarks on the different tahsils. During the reign of Maharaja Balwant Singh, i.e., between 1825 and 1853, nearly all the existing irrigation works in this as in the other parts of the State were carried out. These were efficiently worked and added to by Lieut. Home, R. E., between 1862 and 1867 during the minority of the late Maharaja. On his accession this important branch of the administration was neglected, and works in progress such as the Bareta band were abruptly stopped. The result was that the bands fell into ruin or disrepair, thus causing a steady deterioration in sairaba cultivation and in agriculture generally during his reign. On the reorganisation of the State administration under the Political Agent in 1895 the improvement of the irrigation system was at once taken in hand, and since then it has been pursued with unremitting energy and zeal by the Executive Engineer Mr. J. A. Devenish with the best results to the people and the State. As a single instance of the many direct results achieved I need only refer to what has been done to control the Banganga floods (para. 7) which from being the curse of these talisils have now become the mainstay of their agricultural prosperity; and as an example of the indirect benefits I may quote the fact that in the severe scarcity of 1896-1897 and the recent famine the State was able to entrust the

entire organisation of the famine labour to the Public Works Department which was in a position to profitably employ it for the most part on the construction or repair of the irrigation dams. A detailed list of the principal works in these tahsils will be separately printed. When those now in hand are completed, much will have been done towards the improvement and security of agriculture in the tract.

- 27. The main facts as to the rainfall have been stated under each tahsil and detailed figures are given in Appendix A. The average for the tract may be taken as 25 inches in the year, which if well distributed is sufficient to secure both crops. Unfortunately we are passing through a cycle of years, beginning with 1895-96, in which the rainfall has been not only very deficient—the average fall for the last 5 years being only 19 inches—but very badly distributed. In three years out of the five both the September and the winter rains have practically failed, thereby much reducing the outturn of the autumn crop and causing a general failure of the non-irrigated spring crops.
- 28. The tract as a whole though not in direct contact with the railway communications, trees, climate, etc. is not remote or isolated, the headquarters of the various tahsils being within from 11 to 25 miles from a railway station. For internal communications all tahsils but Oochain are dependent on fair-weather roads and are liable to considerable interruption of traffic in the rains when the Banganga and Gambhir are in flood. The portion of the tract lying north of Banganga is generally bare of trees; south of the river vegetation is more luxuriant. The plains of Bhusawar and Biyana abound in fruit-trees, viz., the mango, the mahua from the flower of which liquor is distilled, the ber or wild plum. The hills in the Dang and the low broken ground along the banks of the streams and nalas in the Nahera are covered with a dense growth of brushwood and provide abundant grazing for sheep and goats. Betel-leaf is successfully cultivated in some villages of Bhusawar and Biyana.

The climate is generally better than that of the northern or central tahsils, as water-logging is not so common, owing to the lighter texture of the soil, and the drinking water is generally excellent. Some of the villages on the east of Oochain which have a low-lying alluvial clay soil and are annually inundated are however very subject to malarial fever.

## CHAPTER II.

## FISCAL HISTORY.

29. The rise of the Bharatpur State has been described in Chapter II of my previous reports. The early history Early history of Biyana. of this tract centres round Biyana, which nature and art combined to form into one of the most famous strongholds in India even in the days of Hindu dominion. During the invasion of Mahmud of Ghazni in the 11th century a Jadu Rajput Bijey Pal ruled in Biyana, and his conduct in endeavouring to forcibly secure a Mohamedan girl is said to have led to Biyana being stormed and captured in 1031 A.-D., by Mahsud Salar nephew of the Sultan. Bijey Pal was killed in battle, but the fort is said to have been soon after recovered by the Rajputs. At all events it was again stormed successfully by the famons Abu Bakar Kandhari in A. D. 1047. Abu Bakar was killed fighting, and his tomb is still pointed out close to Biyana. Thenceforward Biyana seems to have been held by whatever dynasty ruled in At the end of the fifteenth century the local Governor rebelled against Secunder Lodi, who after capturing Biyana founded a new city at Secundra, a few miles to the south, the ruins of which are still to be seen. This city was

like Biyana at the foot of the hills and covered the entrance to the mighty fort or series of forts which crown the crests and have even now a circumference of 7 miles. Successive eonquerors, Hindu and Musalman, had devoted their energies to the strengthening of this splendid natural stronghold and it is now a curious medley of Hindu and Mahomedan relics which would well repay antiquarian research.

Babar writing in 1526 describes Biyana as one of the most famous forts in India. The combined Rajput forces advancing northwards to encounter the Moghul invaders expelled the garrison left by Babar and took possession of the fort, and it was 20 miles to the north-east at Khanwa in Rupbas that Babar put a seal to his conquests and hopelessly shattered the last attempt of the great Rajput confederacy to recover the empire of Hindustan by a complete victory over the Rajput forces under Raja Sanga of Meywar. This victory is known commonly as that of Fatchpur Sikri, which place is however about 10 miles distant from the battle-field. His son Humayun wrested the fort of Biyana from the Lodis in 1535, and from that date to the rise of the Jat power it was held by the Moghuls.

- 30. Owing to its vieinity to Fattehpur Sikri and Agra which are only History under Moghul rule.

  10 and 30 miles distant from Rupbas, this tract had a close connection with the Moghul Emperors. The fine palace and tank at Rupbas were constructed in Akbar's time by Mian Rup, a Rajput convert to Islam and a favourite of the Emperor who used frequently to visit Rupbas on hunting expeditions. The finest specimens of Moghul architecture at Agra, Dehli, and Fattehpur Sikriwere built of the famous white and red sandstone of Rupbas.
- 31. In the Ain-i-Akbari the tract is shown as belonging to the Agra Tand revenue valuation under the Sirkar or district of the Agra Subah or Moghuls.

  Province. In the following table I quote the mahals or subdivisions mentioned in the Ain-i-Akbari which can be identified as now included in the Bharatpur State, with the land revenue then levied from them.

| Parge     | ına or maha                            | 1.    |     | Land revenue in rupees. | Tahsils in which now included. |
|-----------|--|-------|-----|-------------------------|--------------------------------|
|           | ······································ |       |     | Rs.                     |                                |
| Biyana    | ***                                    | •••   |     | 1,77,753                | Biyana.                        |
| Bhusawar  | ***                                    | • • • |     | 1,37,636                | Bhusawar.                      |
| Khanwa    | •••                                    | •••   | ••• | 73,056                  | Part of Rupbas.                |
| Kumher    | •••                                    | •••   |     | 18,650                  | Part of Kumher.                |
| Heylak    | •••                                    | ***   | *** | 69,717                  | Part of Kumher.                |
| Pahari    | •••                                    | •••   | *** | 30,725                  | Pahari.                        |
| Kama      | •••                                    | •••   | *** | 12,613                  | Kama.                          |
| Muicira   | •••                                    | •••   |     | 15,453                  | Kama.                          |
| Ol (part) | ***                                    | •••   | 1   | 1,37,738                | Kumher and Bharatpur.          |

Unfortunately owing to the difficuty of identifying the old with the present names the comparison eannot be made complete. So much however is evident that the three old parganas of Biyana, Bhusawar and Khanwa, which now go to make up part of the four southern tahsils then paid a land revenue of Rs. 3,88,445, or more than half of what the whole tract pays at present. I have shown in Chapter II, of this year's report on Alwar that in Akbar's time the prices of agricultural produce were only from one-fourth to one-sixth of what they are now so that even assuming that the assessment then was only half of what it is at present, the proportion of the produce then taken, i.e., the pitch of the assessment, was very much higher than at present. This is also evident from the fact that Akbar's standard of assessment was one-third of the estimated

produce—and his estimates were pitched very high as shown in my Alwar report—converted into cash at the current prices of the year, or the average prices of the previous ten years.

32. The conquest of this tract by the Jats between 1720 and 1750 A. D. has been related in previous reports. The pargana of Weir in Bhusawar was granted as a separate Jagir by Badan Singh to his second son Partab Singh who built the present fort and palace, beautified the place with tanks and gardens, and enjoyed the title of Raja. Maharaja Jawahir Singh suspected him of intriguing with the Moghuls and aiming at setting up a separate State. He therefore captured Weir and forfeited the Jagir leaving Partab Singh only 12 villages for his maintenance. These his descendants held for ome generations with the title of Raja. Maharaja Balwant Singh reduced the grant to the two villages of Bárha and Salempur, and on the death of Daryao Singh, the late Maharaja resumed even these and gave a cash allowance instead to the present head of the family Raja Samundar Singh who is pursuing his studies in the Mayo College.

In the same way Thakur At Ram younger brother of Churaman and the ancestor through his adopted son, Sardul Singh, of the Pathena Thakurs received a grant of Haleyna and about 200 villages in the vicinity. He built a fort at Haleyna which still exists. When Jawahir Singh attacked Weir the Haleyna chief Sawai Ram, who was in charge of the operations was suspected of intriguing with Raja Partab Singh. His large Jagir was at once confiscated, only a small portion being left for his maintenance. Even this has been gridually resumed and the descendants of At Ram now hold only a small area in Haleyna as sub-proprietors.

33. These two cases are typical of the manner in which the Bharatpur chiefs aggrandised themselves by absorb-Gradual resumption of Jagirs by the ing the possessions of their fendatory Jagirdaıs. While the State was still growing under Badan Singh and Suraj Mal and these chiefs had need of the strong arm of their Jat kinsman, the services of the latter were rewarded by liberal grants of jagirs and masts from the conquered territory. Thus grants on a large seale were given to the 16 sons of Badan Singh, known as the Thakurs of the Solah Kothris, who became the founders of what are still the most prominent families in the State. When the boundaries of the State ceased to expand the Maharajas-from Jawahir Singh downwards-began to cast a jealous eye on these large grants and set themselves to resume or reduce them by various pretexts. In A. D. 1808, even after Weir and Halcyna had been resumed, no less than 43 estates (excluding Ballabgarh) in the present Bhusawar tahsil, embracing over one-third of the area, were still held in mafi or jugir. At the settlement of 1855—57 the number had been reduced to 10, while subsequent resumptions have now reduced it to seven estates covering only 5 per cent. of the area. The temporary resumption of the Ballabgarh jagir has been referred to in paragraph 18. Even "the brothers near the throne" viz., the Thakurs of the Solah Kothris have suffered, the shares of those who died without having male heirs of the body having been resumed under the Nath rule. Large Inam grants were held also by horsemen on condition of service to the State when required. These horsemen used to band themselves together and commit organised raids and dacoities in Agra and the neighbouring States. Maharaja Balwant Singh struck at the root of the evil by enrolling the horsemen in a Cavalry regiment, resuming their lands and granting cash salaries instead. These were looked on as hereditary for some generations but most of them have now disappeared. Another method of reducing the area of Inam was by the resumption of the Inams of those who deserted in the famine of 1877-78, or failed to pay the miscellaneous cesses which the State levies on such lands.

The result of these measures is that the total extent of alienations—excluding Chauth estates—in Bharatpur is only one-eleventh of the total area and one-ninth of the cultivated area—probably lower than in any State in Rajputana.

The Nath rule has now been abolished and as long as there are any descendants of the original grantee, resumptions cannot be effected. So that any further considerable diminution of the jagir and mafi grants, except those which are purely temporary or personal, is improbable.

34. The leading agricultural tribes have already been noticed in the remarks under each tabsil but the following table gives fuller details of the number of estates, total and cultivated area held by each.

|                         |          | RJPBAS.  | •          |          | OOCHAIN  | r <b>.</b> |          | BIYANA.       |            | ,        | BHUSAWA  | В.         |             | ATOT      | <b>.</b>    |
|-------------------------|----------|----------|------------|----------|----------|------------|----------|---------------|------------|----------|----------|------------|-------------|-----------|-------------|
| Tribe.                  | No. of   | A.F.     | EA.        | No of    | انج      | BBA.       | No. of   |               | RB4.       | No. of   |          | RBA.       | No. of      |           | ARRI,       |
|                         | estates. | Total.   | Cultivated | éstates. | Total.   | Caltivated | estates. | Total.        | Cultivated | estates. | Total.   | Cultivated | estates.    | Total.    | Cultivated. |
| Jat war                 | 11       | 3,529    | 1,961      | 112      | 20,180   | 14,770     | 8        | 20, 460       | 12,524     | 12       | 20,621   | 13,939     | 331         | 64,999    | 43,194      |
| O Jats                  | 10       | 42,072   | 19,308     | 301      | 71,123   | 49,752     | 114      | 24,336        | 12,074     | 53       | 1,32,661 | 73,624     | 1141        | 2,70,101  | 1,64,748    |
| Thakurs                 |          | ***      |            | ì        | 1,073    | 973        | 5        | 20,010        | 6,607      | 6        | 11,100   | 7,912      | 111         | 22,783    | 15,583      |
| Minas                   | •••      | 434      | •••        | 1        | 667      | 535        | 6        | 10,027        | 5,703      | 11       | 25,069   | 10,703     | 17}         | 35,762    | 23,001      |
| Brahmin                 | 15}      | 29,103   | 12,544     | 18;      | 47,175   | 20,610     | 18       | 34,239        | 17,376     | 19}      | 48,650   | 32,445     | 66 <u>*</u> | 15,167    | 86,083      |
| Lodhaa                  | 6        | 8,333    | 5,013      | 31       | 8,024    | 4,343      | •••      | •••           | <i></i>    | ···      |          | .,,        | 9}          | 14,257    | 9,996       |
| Gujars                  | 8        | 13,245   | 7,105      | 18}      | 44,019   | 24,414     | 90       | 8,02,658      | 72,815     | 28       | 66,143   | 93,435     | 144}        | 4,49,663  | 1,37,799    |
| Rajputa                 | 16]      | 57,395   | 27,100     | 0        | 21,666   | 13,515     | 8        | 58,707        | 15,029     | 2        | 6,921    | 3,601      | 321         | 1,45,571  | 59,329      |
| Malis and Rachis.       | 3        | ` 4,506  | 2,462      | 12       | 703      | 415        | Б        | 0,590         | 4,055      | 2        | 3,321    | 2,570      | 11៖         | 19,276    | 10,102      |
| Other Hindus            | 1        | 2,175    | 1,499      | 2:0      | 3,010    | 2,392      | 3        | 5,082         | 2,723      | 8}       | 10,986   | 9,133      | 63          | 21 262    | 14,743      |
| Gaddis                  | . 1      | 1,016    | 495        | ŧ        | 1,661    | 647        | 8        | 12,018        | . 7,464    | 7        | 9,635    | 5,643      | 161         | 24,333    | 14,249      |
| Bayads, Sheikhs, &c., } | 51       | 11,675   | 7,290      | 1        | 3,078    | 9,124      | 4        | <i>5</i> ,301 | 1,714      | 3        | 6,787    | 8,600      | 121         | 29,019    | 18,743      |
| Other Musalmans.        |          | <i>.</i> |            | •••      | ***      |            | ,        | *14           | •••        |          | ***      |            |             |           | ***         |
| Kham '                  | 1        | 1,613    | 1,030      | 4        | 5,465    | 2,072      | 11       | 7,301         | 1,909      | •••      | ***      |            | 5           | 14,370    | 5,911       |
| State property          | 1        | 7,417    |            | 3        | 2,733    |            | 1        | 2,731         |            | 3        | 10,030   | 9,027      | 7           | 22,911    | 3,027       |
| Total ,                 | 76       | 1,82,341 | 60,592     | 80       | 2,32,929 | 1,43,506   | 158      | 5,01,133      | 1,61,600   | 149      | 3,74,003 | 2,07,044   | 491         | 12,90,476 | 5,99,410    |

The statistics include revenue-free as well as khalsa villages. Details of each class are given in para. 14, and revenue-free grants will be further considered in chapter IX.

Of the 490 estates in the tract 33½ or about one fifteenth are held by Sinsinwar Jats relations of the ruling family. All of these were originally and a few are still held in *Inam* on condition of Military service. Other Jats hold 11½ villages or about two-ninths of the whole. They are scattered over all tahsils but are strongest in Oochain and Bhusawar. The Jats are rare south of the Banganga. In Rupbas they have ousted the Panwar Rajputs from many villages. Brahmins hold 67 villages or about 14 per cent. of the total number and are fairly well represented in all tahsils. The Bagri Brahmins are often spoken of as a separate caste, and are superior in industry to the other Brahmins. They hold 20 villages.

Gujars are by far the strongest tribe, holding  $144\frac{1}{2}$  villages or 30 per cent. They are scattered over all tabsils but are found chiefly in the hilly portions where

facilities for pasturing cattle are abundant, and are most numerous in Biyana where they own more than half the estates and practically have a monopoly of the Nahera and Dang tracts.

Rajputs are fairly numerous in Rupbas all of which they once held, but hold only scattered villages in the other tabsils. In the whole tract they own 32 estates or one fifteenth. Minas hold 17 villages in Biyana and Bhusawar generally along the borders of Jaipur which is their chief habitat. Lodhas hold 10 villages in Rupbas and Oochain, but here as elsewhere are a feeble, spiritless race. Malis and Kachis who represent the market-gardening or petite culture agriculturists hold about 11 villages, and other Hindus hold nine of which three belong to Mahajans. The only Hindu tribe not mentioned in previous reports are the Dhakars. These claim to be of Rajput descent, and are probably one of the many mixed races formed by the intermarriage of Rajputs with inferior castes—probably in this case with the Jats. They own 11½ villages in Oochain, Biyana, and Bhusawar, and are the most industrious and prosperous agriculturists in the tract.

Mohamedans own only 29 estates or 6 per cent. of the whole. The most important section are the Gaddis who own  $16\frac{1}{3}$  villages chiefly in Biyana and in the vicinity of Weir. Their origin is doubtful. According to some accounts they are Rajputs forcibly converted to Islam under the Lodi or Moghul dynasty, while they themselves have a tradition that they are the descendants of Kshatryas or *Khatris* from Maghiana in the Punjab. They certainly have the Punjabi rather than the Rajput cast of features. They are poor agriculturists but take readily to service, especially in the railway.

The agricultural capacity of all these tribes has been described in previous reports and they may be classed as follows—

Good cultivators.—Other Jats, Minas, Dhakars, Mallis and Kachis.

Fair-Jats Sinsinwar Gujars, Brahmans.

Bad-Rajputs, Lodhas, Mohammedan and all others.

Thus about one-third of the estates are held by good, one-half by fair, and one-sixth by bad agriculturists. On the whole therefore the tract is fortunate enough in its agricultural population.

35. The origin and growth of rights in the soil; and the manner in which Rights of the agriculturists in the sufficiently discussed in previous reports, A remarkable feature in these tahsils and the Bharatpur State generally is the tenacity and success with which the zamindars of mafi and jagir estates have resisted the attempts of the jagirdars and mafidars to appropriate the rights in the soil. The Russian serf before emancipation said to his lord "Mui vashe, no zemliya nasha" i.e., "we belong to you, but the land belongs to us," and the Bharatpur peasant will similarly reply to his master, whether the State itself or a Jagirdar" Bhej tumhara, dharti hamara "i.e." the revenue is yours, the land is ours." One of the most satisfactory features of the present Settlement is that the proprietary rights of the Zamindars have now been once for all formally recognised and put on record.

36. The droughts and famines which have affected this tract are the same Drought and famine.

as those mentioned in previous reports. To the peasants of every country these famines mark the milestones on the road of history; and just as the Irish peasant calculates from the "Bad Times" i.e., the famines of 1846-47 and of 1877-78, so his Indian brother reckons events from "Satara" or "Chauntis" i.e., the famines of 1917 (A. D. 1860-61) or of 1934 (1877-78). The latter famine and the severe scarcitics almost amounting to famine of 1896-97 and 1899-1900 will be referred to in connection with the history of the working of the various assessments which will now be examined.

37. The circumstances which led to the first Summary Settlement in 1855, earried out in the northern tabsils by Sir H. Lawrence, Agent to the Governor General, and in the rest of the State by his Assistant, Captain Nixon, have been

described in Chapter II of previous reports. The various re-assessments up to date have been:—

- 1. Summary Settlement
   ...
   ...
   ...
   ...
   1855-57.

   2. Three years' Settlement
   ...
   ...
   ...
   1858-61.

   3. Six years' Settlement
   ...
   ...
   ...
   1862-70.

   4. Addition of 10 per cent. to (3) ...
   ...
   ...
   ...
   ...
   1871-73.
- 5. The fifteen years' Settlement up to date. [This Settlement was found oppressive in the other tahsils and the demand was revised on the expiry of 10 years but here it was maintained.]
- 6. Ten years' Settlement ... ... 1874-90.

Of these Settlements or rather re-assessments—for no record of rights was framed prior to the present operations—the first two were carried out on broad and just lines by Captain Nixon under the instructions of Sir H. Lawrence, and all the rest were the work of inexpert and inefficient State officials whose main idea was to raise the State demand wherever possible, and to show improved financial results on paper quite regardless of the fact that the revenue collected was very much below that demanded.

38. In the following table I have endeavoured to show as clearly as the limited materials at my disposal will allow, the total demand and arrear of these tabsils at each re-assessment, and as Ballabgarh has been included in Bhusawar only since 1880 I have shown it separately.

| , . |               | Rupi     | JAB.            | Оосп     | lin.          | Bix             | ANA.                                  | Butsa    | WAR,            | Тот      | AL.       | BALLAD  | GARH.   |
|-----|---------------|----------|-----------------|----------|---------------|-----------------|---------------------------------------|----------|-----------------|----------|-----------|---------|---------|
| No. | Settlement,   | Demand.  | Arrears.        | Demand,  | Arrears.      | Demand.         | Arrears.                              | Demand.  | Arrears.        | Demand.  | Arrears.  | Demand. | Arrears |
|     | 1854-55       | Rs.      | Rs.<br>1,02,791 | Ru.      | Rs.<br>46,019 | Rs.<br>1,51,412 | Re.<br>1,47,396                       | Rs.      | Rs.<br>2,02,306 | Re.      | Re.       | Rs.     | Re.     |
| 1   | Summary       | 29,099   | 1               | 1,15,984 | h (           | 1,11,466        | h (                                   | 1,50,851 | h d             | 5,10,400 | *****     | 28,978  | •••     |
| 3   | Three years   | 1,16,200 | 14,399          | 1,20,490 | 6,299         | 1,43,363        | 22,487                                | 1,71,359 | 7,960           | 5,51,412 | 50,145    |         | ***     |
| 8   | Sir years     | 1,18,299 | 19,000          | 1,26,150 |               | 1,62,593        | [[ -2,20]                             | 1,80,645 | } ( ",000 }     | 5,87,716 | •••••     | 24,856  | •••     |
| 4   | Do. revised   | 1,29,670 | ) - (           | 1,85,639 | ) (           | 1,79,959        | ) i                                   | 2,00,207 | ) \             | 6,45,475 | ******    | *****   | ***     |
| 5   | Ten Jears     | 1,40,536 | 4.61.668        | 1,69,909 | }1,68,688 {   | 1,90,682        | 85,997 {                              | 2,20,792 | } 96,405 {      | 7,21,919 | 8,32,758  | *****   | ***     |
|     | In 1882       | 1,42,879 | (3,00,000)      | 1,74,403 | Z., S         | 1,87,639        | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | *****    | 300,400 {       | <i>.</i> | *****     | \$2,153 | 30,733  |
| 6   | 15 years 1890 | 1,00,513 | 11 1            | 1,72,973 | n (           | 2,06,917        | h (                                   | 2,36,271 | ) (             | 7,16,104 | •••••     | 31,767  | 7,541   |
|     | 1892          | 1,05,768 | 1,30,623        | 1,72,373 | 1,39,794      | 2,06,947        | 66,650                                | 2,36,271 | 1,52,951        | 7,21,357 | 4,69,021  | *****   | 38,273  |
| 7   | 1898-99       | 1,05,855 | P :             | 1,72,705 | ) .i          | 2,05,972        | <i>j</i> (                            | 2,38,480 | )               | 7,31,012 |           | •••••   | <b></b> |
|     | Total         | ·        | 5,92,291        |          | 3,27,492      |                 | 1,52,017                              |          | 2,49,359        |          | 13,21,779 |         | '\      |

Of the arrears prior to the Summary Settlement, the total amount shown above was remitted in 1884 in Rupbas, Oochain and Biyana, while the amount unrealised up to that date Rs. 1,61,897 was remitted in Bhusawar. Hence the total arrears as now shown date only from the Summary Settlement of 1855. The pitch of these assessments and their working for the State as a whole was discussed in the introduction to my report on the northern tahsils.

39. Prior to the Summary Settlement the State in theory took one-third of the produce—a relic of Akbar's land-revenue system—which was levied either by actual division of the crop (batai), or more frequently taken by appraisement of the yield of the standing crop (kankut) which was converted into a cash demand at the current rates. A further development of this led to the theka or contract system by which the Zamindars or a middleman (thekadar) contracted to pay a fixed sum for a year or a term of years. In practice however the State took all it could exact from the people, and much of the residue was swallowed up by rapacious and corrupt officials.

- 40. To show that this is no fancy picture I quote from Captain Nixon's Condition of the people at time of summary Settlement. report (No. 77, dated 6th March 1858, to the Agent to the Governor General) on the re-assessment of the pargana of Bhusawar and Akhegarh.
- "On making the Summary Settlement I found the inhabitants of these two parganas in the most wretched state of destitution. I visited numbers of villages and collected the household property of the inhabitants to test actually what they were possessed of. Nothing can describe what their poverty then was and I expressed my conviction that they were actually gaunt with hunger. On other occasions they pleaded that they were starving and that the tahsil officials had taken both heaps of grain (the cultivator's share as well as the State's) alluding to the kharif and rabi crops or as they expressed it "donon kurrar le liya", and this was actually admitted by the tahsil officials themselves. I have only troubled you with these remarks with a view of pointing out that the discrepancy between male and female children is not always as we suppose the result of infanticide, for it is a well-known fact that the people to relieve themselves from temporary pressure give their female children in marriage to those whom they consider their inferiors obtaining a sum of money for so doing. In my general report\*
- \* No. 98, dated 31st May 1857 sending up the Summary Settlement of this territory, I fully remarked on the causes that induced me to reduce the taxation. The Summary Settlement was instituted by Sir H. Lawrence and has been a blessing of no ordinary magnitude to the population whom it has relieved from much oppression and injustice."
- 41. Unfortunately Captain Nixon's report on the Summary Settlement

  Reduction of the demand at summary cannot be traced, but from Sir H.

  Lawrence's reference to it the reduction must have been over 15 per cent. on the old demand; for he writes.
- "His (Captain Nixon's) reductions were even greater than mine (which had been 14.75 per cent.) and in Bhusawar especially, where the Political Agent had been deceived into believing that the reports of the distress were fictitious and got up by the tabsildar, his reductions exceeded by one-tenth the average of the last ten years' jama."

The reductions for the whole State were over three and-a-half lakhs on the previous demand, and in these tahsils were probably one and-a-half lakhs.

- 42. The Summary settlement was intended to be merely a temporary measure pending a regular settlement of the State for which under the orders of Sir H. Lawrence a field-to-field survey and a complete record of rights were being prepared by Captain Nixon with the aid of Lieutenant Hamilton, R. E., of the Survey Department. The report for the regular settlement of the first two parganas Bhusawar and Akhegarh was submitted in March 1858 as already stated.
- 43. In that report Captain Nixon discussed several important questions as to the rights of the rights of the Zamindars and the share of the assets to be taken by the State, and as in previous reports I had not access to that correspondence I now quote a few of the most salient points. In para. 3 he writes.

"In accordance with the view of the late Sir H. Lawrence I have allowed the biswadars of Bharatpur in the new settlement a margin of profit varying from 30 to 50 per cent. Under the late Rajah they only received a Hakk Mokkaddami of from 2 to 5 per cent. as their profits, and under the summary settlement which I carried out in 1855 this Hakk was allowed. Hitherto in Bharatpur the Rajas have exercised the functions of proprietors or zamindars; that is they have enjoyed all the powers of the proprietor of the soil, have given whole villages in jagir, have measured out portions to their servitors, have cut down trees and in every way exercised signorial and proprietary rights. But henceforth by the introduction of a regular settlement these rights will be nullified, inasmuch as it is our system in making such a settlement to confer proprietary rights on the biswadar. After this explanation I solicit your explicit instructions as to whether you desire to confer proprietary rights on these people, for if not it would be as well after fixing the State demand to cease from prosecuting the Settlement any further, and thus leave the position between Raja and biswadars, and biswadars and cultivators for the present undefined. On the other hand should you desire to confer proprietary rights on the biswadars the definition of these rights can be proceeded with as in our Provinces."

After criticising the advantages of creating a class of middlemen or proprietors who rack-rent the actual cultivators, Captain Nixon concludes with the opinion that in British provinces we legislated blindly by giving the biswadars a proprietary interest where they previously held only a "tenant right."

44. Captain Nixon then goes on to explain his assumed rent-rates and how he arrives at them. I quote here the rates of the Bhusawar pargana congarh.

rates per bigha:-

|         | Class of ac | oil. | Circle I.     | Circle II. | Circle III. | Circle IV. |  |  |
|---------|-------------|------|---------------|------------|-------------|------------|--|--|
| Chahi   | •••         | •••  | <br>Rs. A. P. | Rs. A. P.  | Rs. A. P.   | Rs. A. P.  |  |  |
| Sairaba | •••         | •••  | <br>2 2 0     | 1 13 0     | 1 10 0      | 1 1 0      |  |  |
| Barani  | •••         | ***  | <br>1 6 0     | 1 3 0      | 1 2 0       | 0 11 0     |  |  |

He adds :—

"The old tabsil rates of collection or revenue rate under the Rajah much exceed the rent rate now fixed by me, and the zamindars get a profit (remission) of 33 per cent. and upwards on this rent-rate besides being able by a fixed settlement to bring other land into cultivation without further demand from the State officials."

For the Bhusawar pargana—excluding Weir—Captain Nixon proposed an assessment of Rs. 90,785, a reduction of Rs 7,500 on the Summary Settlement Rs. 98, 290—which had been more than 10 per cent. below the average realisations of the preceding ten years—thereby proving the genuineness of his intentions to leave a considerable share of the assets to the Zamindars. He also proposed that the Settlement be made for ten years in the first instance to enable the Maharaja on attaining his majority to ratify it for a further term of years should he think fit.

Had these proposals been accepted and applied to the whole State, as was the intention of Sir H. Lawrence and Captain Nixon, the prosperity of the Zamindars and of the State would have been put on a solid basis, and the revenue history of the State would have been very different. What orders if any were passed on Captain Nixon's proposals the files in the Bharatpur or Abu offices do not show, nor have I been able to ascertain. The people however, when they complain of over-assessment invariably ask to have the jama fixed as "Laland Sahib" (Sir H. Lawrence) or the "Chota Sahib" (Captain Nixon) fixed it 45 years ago.

45. This much is clear that instead of a settlement for 10 years to be conti
Three years' settlement.

nued when the Maharaja came of age, the term of settlement was limited to three years, and the demand for the Bhusawar pargana so far from being reduced from Rs. 98,290 to Rs. 90,785 was raised to Rs. 1,10,725 and is now Rs. 1,48,708 or 65 per cent. above the jama proposed by Captain Nixon. Enhancements on a similar scale (see paragraph 38) were taken in all tahsils but Biyana, although Sir H. Lawrence and Captain Nixon were both of opinion that considerable reductions on the Summary Settlement were necessary; while nothing was settled as to the status of the zamindars. Thus a golden opportunity of placing the revenue administration on a secure basis was lost, and though, as will be seen, one Political Agent after another took up the question of reassessment, they dealt with it in a tentative and timorous way lest their action should hamper the Chief when he should come into power.

The term of the three years' settlement expired with the rabi of 1862, and the Political Agent, Lieut. Walter, writing in November 1861 proposed that a new Settlement should be made for a longer period i.e. for six years, so

that its expiry might coincide with the Maharaja's coming of age in 1868. This was sanctioned by the Agent to Governor General who added that—

"the Summary Settlement of Captain Nixon and the three years' settlement of Major Bouverie have both worked satisfactorily, and the eapabilities of each village ought now to be so well known as to render the new assessment a work of comparative case, even though it is fixed for a longer period. I beg that you will carefully make full enquiries in each village before assessing so as to ensure an equitable and popular settlement, bearing in mind that justice to the ryot is of higher importance than an increase to the State revenue".

The re-assessment, for it was nothing more, was carried out by the revenue officer—Ahmad Hussain—under the supervision of the Political Agent, and the result was another considerable addition, averaging 7 per cent. for the whole tract, to the State demand.

46. This new assessment appears to have worked well and the demand to have been paid with reasonable fulness and Six years' settlement. The term expired in the punctuality. The Political Agent writing in September 1867 proposed that a *rabi* of 1868. new settlement for a term of 20 years, to which the Council and the young Maharaja agreed, should be made from the autumn harvest of 1868. He negatived the suggestion to have this settlement carried out by a British Officer, as owing to the several short-term settlements already made the value of land was well known, and the records of former settlements together with the papers of previous years would form a sound basis for fixing the new demand. He therefore proposed to form an assessing committee of experienced Revenue officers to be associated with the Deputy Collector, Mr. Heatherly, who should after examining the records of past realisations and inspecting each estate give their opinion to the future assessment, the final decision being passed by the Political Agent in the presence of Maharaja.

The system proposed though a rough and ready one, would if worked by honest officials possessed of sound local knowledge have probably secured a fair demand. The work was begun on these lines but owing to the scarcity and bad harvests of 1868-69, the settlement was postponed and the demand of six years' settlement continued till the close of the year 1870-71.

47. By that time the late Maharaja had come into power and his first step was Temporary revision of the six years' to add 10 per cent. all round to the existing demand with effect from the years 1871-

72. An indiscriminate enhancement of this nature must inevitably have given rise to inequality and excessive taxation in certain tracts and in a great number of individual villages, but the Maharaja justified his action by quoting the opinion of Captain Powlett, Political Agent, in the administration Report of 1871-72.

"I have good authority for saying that the assessment can be immediately raised by 2 lakhs without oppressing the people".

The new demand was however paid almost in full for the 2 years 1871-72 and 1872-73, as during the sixteen years of the minority the agricultural population had increased in prosperity, cultivation had considerably expanded, great numbers of new wells had been sunk and old ones restored with the help of State loans, and the irrigation system had been developed and extended in the hands of a competent Engineer.

48. Meantime the Maharaja was pushing on the work of a new assessment Ten years' settlement by the late by means of a committee. The result of their labours-of which there is no other record—was to enhance the demand for the whole State from Rs. 16,90,202 to Rs. 20,16,584 an increase of 20 per cent. In these tabsils the increase on the previous demand was Rs. 76,444 or about 12 per cent. and as compared with Major Nixon's Summary Settlement 15 years before it reached the enormous amount of Rs. 2,11,519 or over 40 per cent. Although the Political Agent in reporting on the new assessment justified the enhancement taken and accepted the Darbar's assurances that the settlement far from being a hard one would bear further increasing after a period of years, I have no hesitation in saying that coming after a series of enhancements, the last of which—at an all-round rate of 10 per cent.—had been made only two years before, the new settlement was grossly excessive, and even if it had not been strained to the breaking

pitch by the famine of 1877-78, it must inevitably have broken down of its own weight. The pressure of over-assessment was felt all the more because no steps were taken to prepare any record of rights or to secure an equitable distribution of the liability. The committee, it is true, professed to frame soil and rent-rates according to the accepted principles of assessment and to leave one-third of the assets to the Zamindars, but this was merely part of the policy of make believe with which the Bharatpur administration successfully deceived the outer world The sole object was to wring more money out of the people. for over 20 years. while at the same time the State in return gave them no help towards developing their resources, but absolutely neglected the duty of maintaining the irrigation works, and allowed the richest parts of the State to become a desert devastated by the uncontrolled floods of the Banganga and overrun by thousands of For a few years the zamindars aided by the good seasons and the wild cattle. accumulations of past years were able to meet the new demand and arrears were small, but the famine of 1877-78, and its effects caused a general cataclysm in which hundreds of estates disappeared altogether, and from which hundreds more have not yet fully recovered.

49. The effects of the famine in these tahsils were practically the same as already described in paras. 59-67 of Effects of the famine of 1877-78. the report on the northern tahsils, viz.; (1) decrease of population owing to death and emigration; (2) depopulation and desertion of estates owing to the loss of cattle and agricultural resources, the break-down of credit, and the general panic among the people; (3) the criminal neglect of the Darbar to take any adequate measures of relief, and its ill-timed action in endeavouring to extort the full demand from a starving and impoverished people and to compel the baniyas to sell grain at fixed prices and make advances to the zamindars; (4) an enormous decrease in the cultivated area, and a deterioration in agriculture generally owing to want of labour and capital to work the land; (5) the beginning of the enormous arrears of land revenue which have continued almost without interruption up to the present date; (6) a general transfer of estates and holdings either compulsorily—by the State for payments of arrears, etc., or voluntarily by the owners to escape revenue liability.

50. These will be incidentally referred to in this and succeeding chapters.

History of revenue collections and arrears up to date.

The point bearing most directly on the new assessment is that of revenue collec-

tions which I shall now consider in detail.

From 1855-56 to 1876-77 the collections of revenue had been astonishingly good for a Native State considering the high assessment. In Bhusawar the total arrears were only Rs. 18,177 of which Rs. 10,313 were subsequently collected leaving only Rs. 7,864 actually now in balance. In the other tahsils too the arrears must have been comparatively little as the amounts now outstanding from 1855 to 1877 are only—Rupbas, Rs. 14,379; Oochain, Rs. 5,299; Bhusawar, Rs. 22,489.

The demand and arrears, including cesses, for 1877-78 and the four following years were as follows:—

|         | ·             | . 1       | BUPBAS.   | •         |          | OOCH AI   | · .       | BIYANA.  |           |           | BHRSVAYB. |          |           | BALLABGABH, |           |          |
|---------|---------------|-----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-------------|-----------|----------|
| Name of | year,         | [         | APRI      | iary, -   | ,        | Arraes.   |           |          | Abbrars.  |           |           | ARBEARS. |           | -           | ABRHARS,  |          |
| •       |               | Demand,   | Realised. | Incurred. | Demand.  | Realised. | Incurred. | Demand.  | Realised. | Incurred. | Demand.   | Realised | Incurred. | Demand.     | Realised. | Incurred |
| 4.      | <del></del> , | Rs.       | Bs.       | Rs.       | Rg.      | Bs.       | Rs.       | Rs.      | Ra.       | ,Re.      | Rs.       | Rs.      | Rs.       | Re.         | Rs.       | Rs.      |
| 1877-78 | •••           | 1,44,328  | 1,428     | 40,857    | 1,78,863 | 873       | 693       | 1,95,553 | 1,072     | 18,323    | 2,22,426  | 32       | 27,748    |             |           | 44 "     |
| 1878-79 |               | 1,43,615  | 926       | 41,541    | 1,88,972 | .2,948    | 10,024    | 1,95,750 | 0,591     | 3,490     | 2,29,138  | 1,960    | 14,314    |             |           |          |
| 1879-80 | ***           | 1,50,152  | 1,676     | 140,063   | 1,86,838 | 18,364    | 2,450     | 1,09,430 | . 5,770;  | 2,702     | 2,41,932  | 18,681   | 11,508    | 33,935      |           | 2,651    |
| 1880-81 | •••           | 1,61,028  | 1,439     | 39,402    | 1,87,833 | ,2,591    | 13,395    | 1,99,280 | 4,651     | 10,357    | 2,37,870  | 6,839    | 35,721    | 33,815      |           | 2,965    |
| 1881-82 | 901           | 1,50,767  | 1,356     | 20,197    | 1,97,127 | ,6,560    | 15,109    | 1,99,950 | - 4,630   | 2,709     | 2,41,275  | 7,014    | 21,624    | 35,939      | 1,294     | 1,930    |
| Total?  |               | -7,40,490 | 8,854     | -1,88,750 | 9,39,593 | 21,336    | 41,661    | 9,88,963 | 22,714    | 37,041    | 11,72,041 | 31,555   | 1,10,915  | 1,03,689    | 1,294     | 7,598    |
| Average |               | 1,48,099  | 1,371     | 37,750    | 1,97,939 | 4,267     | 8,332     | 1,97,793 | 4,513     | 7,528     | 2,34,528  | 6,911    | 22,183    | 31,563      | 431       | 2,632    |

These figures show that in disregard of the intense agricultural distress the State not only formulated the full demand from year to year, but also endeavoured to realise the arrears of each year in subsequent years. Meantime the resources of the Zamindars were being gradually exhausted and even when the years of drought passed away and good seasons returned they were unable to meet their liabilities. Thus for the whole period of five years the net arrears deducting sums realised within the period (excluding Ballabgarh) and their proportion to the total demand were as follows:—

| Details.                    | Rupbas.  | Oochain.      | Biyana. | Bhusawar. | Total.   |
|-----------------------------|----------|---------------|---------|-----------|----------|
| Total arrears in Rs         | 1,81,896 | <b>20,325</b> | 14,927  | 76,160    | 2,93,308 |
| Percentage of total demand. | 25       | 2             | 1·5     | 6·5       |          |

From this it appears that the famine fell very unequally on different tahsils. Rupbas which has a stiff soil requiring a heavy rainfall, suffered most and one-fourth of the demand remained in arrears. Bhusawar came next with arrears amounting to one-fifteenth, while in Oochain and Biyana the arrears were not very heavy and a considerable portion was paid off in the period leaving only 2 and 1.5 per cent. respectively in arrears at its close. No rainfall statistics for these tahsils are available during this period. They would no doubt help to explain the greater severity of the distress in Rupbas. The annual reports however show that the rainfall of 1880-81 was very deficient throughout the State, and that accounts for the large arrears of that year in all tahsils and delayed the recovery of the tract from the famine of 1877-78. The cultivated area of years prior to 1881-82 is not known. On the cultivation of that year the incidence of the collections per bigha were—

| Rupbas. | Oochain                    | Biyana | Bhusawar. |
|---------|----------------------------|--------|-----------|
| Ŕs.     | $\mathbb{R}^{q_{\bullet}}$ | Rs.    | Rs.       |
| 2-1-8   | 1-10-0                     | 1-9-3  | 1-6-3     |

which is higher, and in the case of Rupbas and Oochain very much higher, than the present incidence.

In 1882-83 the 10 years' scttlement expired, and the demand was revised and reduced by about a lakh in the five northern tahsils—Gopalgarh, Pahari,

Kama, Dig, Kumher—which were supposed to have suffered most from the famine and the drought of 1880-81. Though these talsils were equally in need of relief none was given. The old demand was maintained and attempts made to realise the arrears. The only concession given was that in consequence of the drought of 1883-84 the old arrears prior to 1855-56 were remitted; but Sir H. Lawrence had given directions to this effect 30 years before, so the boon was an empty one.

The total and average demand, arrears, and incidence for the next 8 years 1882-83—1889-90, are shown in the following table:—

|                      |              |     | Rue       | BAS.     | Ooor      | IAIN.    | Bix.      | IMI.     | Вися      | AWAR,    | Ballangarn. |          |        |
|----------------------|--------------|-----|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-------------|----------|--------|
| Detail               |              | j   | Total.    | Average. | Total.    | Average. | Total.    | Average. | Total.    | Average. | Total.      | Average, | Total  |
|                      |              |     | Rs,       | Re.      | Rs.       | Rs.      | Rs.       | Rs.      | Rs.       | ~ Rs.    | Rs.         | Re.      | Rs     |
| Demand-revenue ar    | nd cesses    | ••• | 11,57,393 | 1,44,674 | 15,45,505 | 1,93,188 | 16,70,399 | 2,08,810 | 20,18,318 | 2,62,093 | 3,01,682    | \$8,085  | 68,08, |
| Realised—revenne an  | d cesses     | ••• | 8,81,585  | 1,10,873 | 13,80,721 | 1,72,590 | 10,22,013 | 2,03,830 | 17,97,339 | 2,24,668 | 2,83,311    | 35,780   | 69,71, |
| Old arrears realised | •••          | *** | 7,787     | 973      | 19,167    | 2,398    | 73,169    | 9,140    | 10,889    | 2,111    | 3,723       | 165      | 1,20,  |
| New arrears incurred | ı ·          | ••• | 2,72,808  | 31,101   | 1,61,781  | 20,593   | 47,763    | 5,969    | 2,21,000  | 27,629   | 8,371       | 2,296    | 7,24,1 |
| Cultivated area      | • •••        | *** | 4,30,553  | 53,810   | 8,03,020  | 1,01,003 | 10,67,240 | 1,33,405 | 12,76,111 | 1,59,555 | 1,37,824    | 19,659   | 37,20  |
|                      | ) demand     | ••• | •••       | 2 11 0   | •••       | 1 14 7   | ***       | 100      | ***       | 106      |             | 1 15 0   | ***    |
| Inclidence per {     | ) collection | •   |           | 3 1 2    |           | 1 11 8   |           | 105      |           | 160      |             | 113 0    | · •    |

In this period therefore the new arrears in Rupbas amounted to 24 per cent. of the total demand, in Oochain and Bhusawar to 11 per cent., in Biyana to only 3 per cent.; and if we allow for the arrears collected the net arrears

| Вогр     | A9,       | Ооспа    | in.       | Bry | 1 N A.    | Buns.    | AWAB.     | Ballar | GARH.     |
|----------|-----------|----------|-----------|-----|-----------|----------|-----------|--------|-----------|
| Es.      | Per cent. | Rs.      | Per cent. | Ra, | Per cent. | Rs.      | Per cent. | Rs.    | Per cent. |
| 2,65,021 | 23        | 1,45,617 | 9.5       | Nil | Nil       | 2,04,120 | 10        | 14,649 | 5         |

In Biyana the old arrears collected exceeded the new arrears by Rs. 25,416 so that the tabsil more than paid its way during this period. As in the previous period the arrears in Rupbas were by far the highest and there is no doubt that the tabsil was grievously overassessed as the incidence of the demand and collections on the cultivated area clearly proves. In Oochain the large arrears were due partly to the damage done by Banganga floods and by wild cattle which threw much land out of cultivation and thus made the assessment an excessive one, the incidence of the demand averaging Rs. 1-14-7 per bigha of cultivation. In Bhusawar the wild cattle pest did not exist but several villages had suffered from the Banganga floods which choked the wells and transformed cultivated lands into wastes of arid sand. Moreover many estates were wholly or partly abandoned or managed Kham. Here too the incidence of the demand, Rs. 1-9-6 per bigha, was relatively high. The Biyana tabsil alone showed rapid recovery.

With the exception of the severe drought in 1883-84 this period was on the whole one of good rainfall and average prosperity, and given a moderate demand all tabsils would have been able to recover from the effects of the famine. But owing to the depopulation, bad revenue management, neglect of the irrigation dams &c. &c., the cultivated area so far from expanding receded considerably in all tabsils but Biyana.

The situation had now become critical in all but the northern tahsils, where the demand of the 10 years settlement had been considerably reduced, (4) Fifteen years settlement in 1990-91 and subsequent collections and arrears and the Maharaja determined on a new settlement beginning with the year The first step to this was the levy of a 1890-91 to last for a term of 15 years. cess of 10 per cent. on the existing demand from every village to meet the cost of the operations, and this brought in Rs. 1,63,674 of which about Rs. 63,600, was actually spent on survey, etc., and the rest went to the State. was the appointment of the inevitable Assessing Committee headed by the Court Physician, Rahim Buksh. For absolute incompetency and failure to realise even in the dimmest manner the requirements of the situation, I have never met anything that could approach the proceedings of this Committee. Masses of estimates and calculations were prepared, throughout the dreary maze of which it is impossible to perceive a glimmer of intelligence or common sense except when here and there a Tahsildar with some local knowledge describes the condition of a village in one or two brief lines.

An atter pt was made to prepare a record of rights which is the despair of any official who has to refer to it. The sole document of any value is the Field map prepared by imported amins. As regards the assessment the Committee generally relied upon the opinion of the Tahsildar, and where he was both honest and capable—a combination not over-common in Native States—the result was fairly satisfactory; where he was a fool or a knave, or where the Committee relied upon their own judgment, the most extraordinary contradictions and inequalities were the consequence. The final result of their labour was to give an enormous reduction amounting to about 30 per cent. in Rupbas, a slight enhancement in Oochain; which was not justified at the time, a considerable enhancement in Biyana which if properly apportioned according to the resources of each estate would not have been unfair, and a considerable and unjustifiable enhancement in Bhusawar which was one of the main causes of the general collapse of that tahsil in the first subsequent year of drought.

As this is the settlement which advantage be examined year by year. The demand and arrears include revenue and cesses.

|            | Bunters, |                 |     |          |          | ,        |          |          |                       |          |          | •        | ,           |                  |          |                            | -         |
|------------|----------|-----------------|-----|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|-------------|------------------|----------|----------------------------|-----------|
|            | ʻpo      | Area cultivat   | Rs. | 19,458   | 19,740   | 19,980   | 10,178   | 10,313   | 10,164                | 10,012   | 20,303   | 20,500   | :           | 1,77,407         | 19,712   |                            | :         |
| OABU.      | Tua.     | ·b \$11100aI    | Bs. | 673      | 1,109    | 1,173    | 617      | 768      | 1,709                 | 2,223    | 892      | 1,033    | :           | 10,107           | 1,133    | :                          | ì         |
| Віссавольн | Апвиля   | Realised.       | Br. | 272      | £53      | 812      | 583      | 1,104    | 80\$                  | 850      | 1,195    | 1,009    | i           | 0,767            | 751      | 583                        | 1-1 1-8   |
|            |          | Demand.         | Rs. | 37,018   | 38,001   | 38,151   | 38,222   | 37,768   | 38,007                | 38,123   | 39,243   | 37,548   | :           | 3,41,681         | 37,965   | 37, 583                    | 1:1       |
|            | •pa      | Area cultivato  | R   | 1,61,833 | 1,66,000 | 1,75,575 | 1,70,380 | 1,73,679 | 1,47,109              | 1,49,359 | 1,60,565 | 1,70,378 | :           | 14,65,620        | 1,62,837 | :                          | ŧ         |
| TWAB.      | 14HS.    | .berruon1       | Bg. | 13,978   | 13,790   | 0,731    | 7,718    | 5,125    | 21,152                | 73,603   | 21,053   | 22,437   | :           | 1,01,675         | 21,297   | :                          | 1         |
| Виозатар   | Αυπυγη   | Mealised.       | Bg. | 2,157    | 5,430    | 6,301    | 9,418    | 0,000    | 2,251                 | 4,713    | 10,420   | 13,260   | :           | 600'60           | 7,668    | 917                        | •         |
|            |          | Demand          | ßø. | 2,58,412 | 2,66,134 | 2,63,696 | 2,61,507 | 2,61,931 | 2,01,200              | 3,00,571 | 2,61,242 | 2,05,104 | :           | 23,62,920        | 2,62,516 | 2,48,917                   | Ä         |
|            | •10:     | oter illus asta | д,  | 1,27,438 | 1,34,561 | 1,31,625 | 1,29,701 | 1,31,025 | 1,18,051              | 1,10,196 | 1,35,445 | 1,42,080 | ;           | 11,70,002        | 1,30,000 | :                          | į         |
| 134.       | Ananans. | lne urred.      | Bs. | 4,010    | 1,683    | 2,800    | 3,516    | 4,180    | 16,164                | 35,166   | 3,570    | 2,610    | :           | 73,126           | 8,125    | ŧ                          | ŧ         |
| Вихана     | Ави      | Realised.       | Rs. | 10,721   | 12,438   | 12,749   | 10,768   | 9,302    | 3,055                 | 25,801   | 19,429   | 19,228   | :           | 1,22,646         | 13,027   | 910                        | çi<br>ci  |
|            |          | Demnad.         | Bs. | 2,25,225 | 2,24,013 | 2,21,011 | 2,25,147 | 2,24,254 | 2,25,101              | 2,21,374 | 2,25,907 | 2,23,825 | :           | 20,19,010        | 2,21,338 | 2,20,810                   | 7.        |
|            | *p       | Area cultivate  | Rs. | 02,082   | 1,02,991 | 00,172   | 1,00,393 | 1,05,911 | 81,412                | 91,471   | 1,15,570 | 1,23,593 | :           | 0,17,485         | 1,01,943 | :                          |           |
| OOCHIIM.   | Авенано. | Ineurred.       | ₽£  | 13,413   | 7,778    | 7,000    | 6,401    | 7,013    | 61,100                | 63,008   | 8,015    | 12,735   | :           | 1,00,188         | 1,89,405 | :                          | :         |
| 1000       | Авп      | Realized,       | Rs, | 3,032    | 4,823    | 6,478    | 3,798    | 2,845    | 3,623                 | 10,656   | 18,330   | 10,709   | i           | 72,510           | 8,057    | \$0.                       | 5.0       |
|            |          | Demand.         | Вя, | 1,90,102 | 1,03,591 | 1,87,421 | 1,80,730 | 1,85,907 | 1,69,203              | 1,89,830 | 1,90,503 | 1,89,703 | i.          | 17,00,123        | 1,88,902 | 1,78,                      | -II       |
|            | •1       | Area cultivated | ßg. | 47,470   | 67,515   | 50,810   | 60,103   | 67,257   | 50,750                | 57,633   | 78,600   | 63,049   | •           | 5,47,305         | 209'09   | :                          | ŧ         |
| Burble.    | Anexins, | Incurred.       | .g  |          | 14,650   | 7,814    | 0,709    | 6,101    | 2,207                 | 42,253   | 20,013   | 7,810    | 21,52\$     | 1,48,780         | 16,532   | :                          | :<br>     |
| Bur        | YES      | Realised.       | Re. |          | 2,307    | 2,013    | 6,253    | 3,174    | 803                   | 4,963    | 4,338    | 8,725    | 1,367       | 31,127           | 3,793    | )<br>es                    | 1-1 08    |
|            |          | Demand.         | ۋ ۋ |          | 1,12,830 | 1,15,330 | 1,15,433 | 1,15,042 | 41,437                | 1,15,031 | 1,15,707 | 1,15,014 | 73,430      | 10,29,250        | 1,14,250 | 1,01, 310                  | :         |
|            |          |                 |     | :        | :        | i        | ŧ        | :        | ft                    | :        | 3        | ÷        | i           | ars              | :        | sations                    | ŧ         |
|            | •        | Icar#.          |     | E        | 3        | :        | ŧ        |          | 16 larres             | :        | i        | ŧ        | :           | Total of O years | ٠ :      | tal realis                 | :         |
|            |          |                 |     | 1600-01  | 1501-01  | 1802-93  | 1663-91  | 1894-05  | 1895-96 (one harvest) | 1603-07  | 1897.08  | 1698-00  | Odd harrest | Tot              | Areraga  | Average total realisations | Per bigha |

The first five years of the nine were a period of good rainfall and average agricultural prosperity. Cultivation increased rapidly in all tabsils; some old arrears were collected; and though the new arrears were considerable in Rupbas, Oochain and Bhusawar, they were due in great measure to an unequal distribution, to the deterioration of several villages close to the Banganga, and to the slackness of the revenue authorities in collecting especially in Rupbas.

(5) The two years, 1895-96 and 1896-97, were years of very severe drought

Agricultural and revenue conditions of the last 5 years

in this tract. The rainfall was as follows:—

|         | Year | 5.  |     | Rupbas. | Oochain. | Biyana.       | Bhosawar. |
|---------|------|-----|-----|---------|----------|---------------|-----------|
| 1895-96 |      | ••• | ••• | 18:83   | 12.51    | 18·3 <b>6</b> | 12.04     |
| 1896-97 | •••  | *** | ••• | 10.35   | 11.02    | 8:31          | 15.19     |

Both crops failed largely in both years, and compared with 1894-95 the area sown fell off by 20 per cent. in Rupbas and Oochain, by 15 per cent. in Bhusawar and by 10 per cent. in Biyana. Cattle died of starvation, the people began to feel the pinch of hunger and crowded to relief works. The State did nothing to encourage the zamindars by suspending part of the demand, and the pressure employed in collecting the revenue especially in Bhusawar, where even the plough and well cattle were in some cases sold up by the tahsil officials, led to wholesale desertions of agriculturists. In that tahsil alone no less than 2,537 persons or 4 per cent. of the population deserted in these years of whom 1594 sought refuge in foreign territory, and this struck a blow at the prosperity of the tahsil from which it has not yet recovered. The Wal tract in Rupbas, the Rudawal and Jatmai portions of Oochain, and the Dang and Nahera of Biyana also suffered severely. The arrears in these two years combined were equal to those of the remaining seven.

The favourable rains of 1897-98 put new heart in the people; the area under cultivation increased enormously; and two good harvests enabled them to more than meet their obligations in Ooehain and Biyana—where the amount of old arrears paid up exceeded that of the new arrears. In Bhusawar the two items nearly balanced one another, but in Rupbas the arrears amounted to over 20 per cent.

The year 1898-99 was one of average rainfall except in Rupbas where it was again short, and in the year just concluded the total rainfall was not deficient. But, as already remarked, nearly all the rain fell in both years in June, July and August; the September rains were almost a total failure, and praetically no rain fell in the cold weather months. Hence the autumn and spring crops were decidedly below the average in 1898-99, and in the last year the crops except on sweet wells or inundated lands have been almost a total failure. Thus it will be seen that the steady progress made in the first five years has been undone by the disastrous character of the last five. It should be explained that the arrears since 1890 have been considerably swelled (1) by the inclusion of fees due for coercive processes the amount of which included in the arrears is Rs. 9,842 in Blusawar alone, Rs. 9,086 in Rupbas; Rs. 6,613 in Oochain and Rs. 3,954 in Biyana, (2) by showing as arrears in kham villages or deserted holdings the difference between the settlement demand and the sums actually realised. The arrears under this head are Rupbas nil, Oochain, Rs. 9,956; Biyana, Rs. 19,158; Bhusawar, Rs. 25,528.

Deducting sums realised in subsequent years, the arrears now outstanding for the 9 years 1890-91—1898-99 and their proportion to the total demand are

| Detail. |     | Ruphas,          | Occhain.      | Biyana.     | Bhusawar.                       | Ballabgarh.        | Total.                |
|---------|-----|------------------|---------------|-------------|---------------------------------|--------------------|-----------------------|
| Rupees  | ••• | 1,30,623<br>12·5 | 1,38,794<br>8 | 66,650<br>3 | <b>1,52</b> ,95 <b>4</b><br>6•5 | 7,5 <b>41</b><br>2 | 4,96,56 <b>2</b><br>7 |

On the other hand the following sums were realised during this period on account of old arrears.

| Rupbas. | Oochaiu. | Biyana. | Bhusawar. | Ballabgarh. | Total. |
|---------|----------|---------|-----------|-------------|--------|
| Rs.     | Rs.      | Rs.     | Rs.       | Rs          | Rs.    |
| 14,269  | 23,056   | 21,824  | 30,288    | 4,101       | 93,538 |
|         |          |         |           |             |        |

51. Details of the total arrears now outstanding from 1855-56 to 1898-99

Total arrears of land revenue and in each tahsil are shown in the following cesses now due.

table the absolute accuracy of which, though prepared after the most searching, enquiry from materials supplied by the tahsil offices, I cannot however guarantee.

| Period.                                      | Rupbas.  | Oochain. | Biyana.  | Bhusawar. | Ballabgarb. | Total,    |
|--|----------|----------|----------|-----------|-------------|-----------|
|  | Rs.      | Rs.      | Rs.      | Rs.       | Rs.         | Rs.       |
| 1855-56 — 1876-77                            | 14,379   | 5,299    | 22,487   | 7,960     | ,,,         | 50,128    |
| 1877-78 1881-82                              | 1,88,750 | 41,661   | 37,641   | 76,460    | 18,234      | 3,62,746  |
| 1982-83 — 1889-90 or 1890-91 in Rup-<br>bas. | 2,72,808 | 1,64,784 | 47,753   | 42,273    | 16,599      | 5,44,217  |
| Total up to last settlement                  | 4,75,937 | 2,11,744 | 1,07,891 | 1,26,693  | 94,833      | 9,57,086  |
| Of which since realised                      | 14,269   | 23,056   | 21,884   | 30,288    | 4,101       | 93,598    |
| Balance still due                            | 4,61,668 | 1,88,688 | 85,997   | 96,405    | 30,732      | 8,63,490  |
| Arrears since last settlement                | 1,30,623 | 1,38,794 | 66,650   | 1,62,954  | 7,541       | 4,96,562  |
| Grand Total still due                        | 5,92,291 | 3,27,482 | 1,52,647 | 2,49,359  | 38,273      | 13,60,052 |

The total arrears for the tract are Rs. 13,60,052 or nearly two years land-revenue demand.

52. Of this enormous sum Rs. 8,63,490, representing all the arrears prior Proposals for the remission and collection of these arrears.

To last settlement, have already been remitted by the State in commemoration of the birth of a son and heir to His Highness the Maharaja last year. The arrears since last settlement i.e., down to rabi 1899 have now to be disposed of. In the course of my village inspections I have enquired carefully into this subject, and in the arrangements made for the settlement of kham villages and deserted holdings the amount of arrears to be levied has already been settled and accepted by the zamindars.

The general causes of these arrears, viz., over-assessment, a bad distribution, damage caused by Banganga floods in all tahsils and by wild cattle in Oochain, neglect of irrigation works, the break down of the assessment in kham villages and deserted holdings, the great number of bad harvests in late years, and to a great or less extent in all tahsils slackness or collusion on the part of the tahsil officials have already been referred to.

An officer with a wide experience of revenue management in Native States has recently pointed out to me, that there are three methods of calculating the collections—

- (1) the amount actually realised from the people;
- (2) that which comes into the hands of the tabil officials;
- ( ) that which actually finds its way into the State coffers.

The last falls short of (1) and (2) in a greater or less degree according to the varying efficiency of the revenue administration. In these tahsils I fear the amount realised by the State by no means represents what has been taken from the people.

A good deal has stuck to the palms of the Patwaris and subordinate tabsil agency, while if the Tabsildar was slack or corrupt he found only too many opportunities for feathering his own nest at the expense of the State. Up to the last few years there was no attempt at supervising the Tabsildars' work, and the traditional policy was that they should be given an absolutely free hand in collections and when these were in progress the superior revenue officials were to refrain from touring or interfering with them in any way.

A consideration of all these facts and of the present condition of the people makes it essential to take a lenient view in deciding what amount of these arrears is now to be realised. My proposals based on a village-to-village examination of the facts is to realise as follows—

| Rupbas. | Occhain. | Biyans. | Bbusawar. | Ballabgath. | Total. |
|---------|----------|---------|-----------|-------------|--------|
| Rs.     | Rs.      | Rs.     | Rs.       | . Rs.       | Rs.    |
| 20,000  | 20,000   | 15,000  | 27,500    | 2,500       | 85,000 |

and to remit the remaining Rs. 4,11,652 as irrecoverable.

The arrears due on Mass holdings since last settlement will be considered in Chapter IX, Part II. All other miscellaneous arrears for Takavi, salt, wells, etc., prior to last settlement have already been remitted. In giving out the new assessments the total amount of arrears to be levied will be fixed and as a rule it will be distributed over the 20 years term of settlement and realised regularly as part of the State demand. This system has been found to answer well in the tahsils already assessed. It is possible that the sum-total of the arrears when fixed village by village may be above or below the amounts above indicated, but I shall endeavour to work up as closely as possible to them.

53. The following table shows the extent to which holdings have been abandoned by deserters who have not yet returned.

|                       | iates.                   |                               | UP TO AND INCLUDING 1877-78. |                     |                           |                           |                   | BOKIS             | 1877-78.                  |                           | TOTAL UP TO DATE.       |                  |                    |                  |  |
|-----------------------|--------------------------|-------------------------------|------------------------------|---------------------|---------------------------|---------------------------|-------------------|-------------------|---------------------------|---------------------------|-------------------------|------------------|--------------------|------------------|--|
| Taksil.               | Total numbér of estates. | Number in which on<br>serted. | No. of deserters.            | No. of holdings.    | .1763.                    | Janıs.                    | No. of deserters. | No of holdings.   | Area.                     | Jamā,                     | No. of deserters,       | No. of holdings. | Aren.              | Jams,            |  |
| Bupbas Oochain Bijana | . 80                     | 83                            | 493<br>581<br>2,748          | 306<br>164<br>1,318 | 4,358<br>16,180<br>61,803 | 4,450<br>14,004<br>31,480 | 56)<br>841        | 261<br>278<br>811 | 3,951<br>22,692<br>25,577 | 4,110<br>21,581<br>16,679 | 1,657<br>1,425<br>3,932 | 570<br>442       | 8,309<br>38,872    | 8,569<br>36,278  |  |
| Bhusawar *            | 149                      | .1                            | 1,710                        | 819                 | 60,169                    | 67,856                    | 1,633             | 618               | 54,664                    | 41,733                    | 3,343                   | 2,159<br>1,667   | 87,380<br>1,14,833 | 51,159<br>99,689 |  |

. In Ruphas the deserters number one-third of the owners still left, and the area deserted is about one-twelfth of the whole. In Oochain too the number of deserters is equal to one-third of those remaining, but their shares represent one-fifth of the area. In Biyana the number of deserters is equal to half the present number of owners and the abandoned area is more than one-fourth of the whole; while in Bhusawar the desertions were on a scale even more enormous, the deserting owners numbering one-half of the present number and the abandoned lands representing nearly two-fifths of the Jama of the tabsil. In all . talisils half or more of the desertious occurred in the famine year of 1877-78 or prior to it, and were primarily due to the harsh and shortsighted revenue policy then pursued. After that desertions on a very large scale took place in 1895-96 and 1896-97, especially in the Bhusawar tahsil, where they were duc to the mistaken zeal of a tahsildar in harshly enforcing the full demand in years of drought and searcity. The desertions in other tahsils of recent years have been comparatively few, as less vigour was employed in realising the revenue, and employment was found for the destitute by the Public Works Department in repairing bands, digging canals, etc.

Within the last year though the scarcity was greater than in any year since 1877-78 there were practically no desertions owing to the liberal policy pursued by the State in suspending part of the demand and opening relief works; in fact great numbers of the old deserters have returned and resumed possession of their holdings.

54. Besides the enormous areas voluntarily abandoned by the impoverish-Transfer of villages by the State or by the owners; when estates fell into arrears and the owners were unable to arrange for payment the State interfered and of its own motion transferred whole estates or shares of them to outsiders, or the owners under pressure of the State demand themselves made such transfers. The arrears so transferred from the famine of 1877-78 up to date are as follows.

| Talisil  | •         | Detail.           |     | Number of<br>villages<br>transferred<br>in wholo<br>or part. | Атев.  | Jama.  | Purchase<br>money. | Remaines. |
|----------|-----------|-------------------|-----|--|--------|--------|--------------------|-----------|
|          | <u> </u>  | By order of State | ٠,  | 17   | 9,342  | 6,301  | 6,765              |           |
| Rupbas ' | ··· {     | Mutual agreement  | ••• | 8  | 2,617  | 1,025  | 636                |           |
|          |           | Total             | ••• | 25   | 11,959 | 7,326  | 7,301              |           |
| •        | ſ         | By order of State | ••• | 11   | 5,806  | 4,523  | 2,487              | •         |
| Oochain  | <b></b> { | Mutual agreement  | 1** | . 9  | 1,661  | 1,261  | 1,533              |           |
|          |           | Total .           | *** | 20   | 7,467  | 5,784  | 4,020              |           |
|          | (         | By order of State | ••• | 7  | 1,138  | 1,297  | 858                | 1         |
| Eigona   | ₩{        | Mutual agreement  | 11- | 10   | 3,383  | 2,160  |                    |           |
|          |           | Total             | *** | 17   | 4,521  | 3,457  | 858                | •         |
|          | (         | By order of State | ••• | 10   | 7,723  | 6,058  | 4,867              |           |
| Bhusawar | ₩{        | Mu, al agreement  | ••• | 33   | 11,334 | 7,873  | 7,773              |           |
|          |           | ,<br>Total        | *** | 43   | 19,057 | 13,931 | 12,610             |           |

In this way whole estates or shares in them paying 7 per cent. of the present Jama in Ruphas, 3 5 per cent. in Oochain, about 2 per cent. in Biyana and over 5 per cent. in Bhusawar were sold up for arrears by the State or transferred by the owners, and it is a sad commentary on the system that the purchase money in no tabsil amounts to one year's land revenue of the area transferred. The State would have shown not only more humanity but also more enlightened self-interest had it remitted or given lenient instalments for the arrears and encouraged the old owners to stick to their lands.

Estates brought under direct manage sive though they have been, by no means ment exhaust the estates which broke down under the strain of overassessment, bad harvests, and bad administration. A favourite device in the past has been to take estates in which the owners got into difficulties and refused to be any longer responsible for the State demand, under direct management, the State leasing out the land to the old owners as ordinary cultivators or to others at such rates as it considered fit.

Given efficient management this arrangement though not a desirable one might serve as a temporary expedient. As worked in Bharatpur, where kham estates are managed by the Naib Tahsildars through the local Kanungo or Patwari generally with an eye rather to their own interests than to those of the State, the system has caused immense loss to the State and further deterioration in the condition of the villages. As an example of the abuses prevalent I may mention a case brought to my notice in Biyana this year where the Naib-Tahsildar had leased 50 bighas of land for Rs. 0-8-0 per bigha for which, the Tahsildar had no difficulty in obtaining Rs. 3-4-0 per bigha and that too paid in advance.

One of the many evils in the old assessments was that where an estate was kham or deserted a nominal Jama was fixed and no steps were taken to arrange for its future payment, the result being an enormous accumulation of arrears in such cases. Every case of a kham estate or holding has now been taken up, and arrangements made for the abolition of the kham system from the new assessment. Where, as generally happens, the old owners agree to accept a fixed assessment and can show their ability or give security to pay it, the land is settled with them in whole or in part, and where they refuse or are unable to accept liability arrangements have been made with other agriculturists.

56. In Rupbas the kham holdings are limited to half of one estate and one-Arrangements now made for kham third of another, and in both cases pervillages. manent arragements have now been made with the old owners.

In Oochain the following estates (1) Barkoli, (all), (2) Bahrauli (all), (3) Ratauwa (all), Nangla Radha ( $\frac{2}{3}$ ), Kakrauwa ( $\frac{1}{2}$ ), (6) Basi Kalan ( $\frac{1}{12}$ ), (7) Gugrawa ( $\frac{1}{2}$ ), have come under direct management since last settlement. In (1), (4) and (6) the whole area has been restored to the old owners, in (2) and (5) they have been given half the land, the other half going to temporary lessees or other cultivators, in (3) they have retained a  $\frac{1}{20}$  share and voluntarily given  $\frac{6}{20}$  to a relation, while in (7) owing to the desertion of the old owners the share has been transferred to a neighbouring Zamiudar. The whole area thus settled in Oochain amounts to 5742 bighas, paying a jama of Rs. 4,228. Payment of a suitable amount of the arrears the total of which is Rs. 8,774 has been arranged for in each case by easy instalments.

In Biyana the large estate of Farsu, area 7,000 bighas, which suffered from Banganga floods has on the application of the Mahomedan owners been managed kham since 1885. The estate is now in good working order but as the old owners are incapable of managing it all, a considerable area of waste has been allotted to the zamindars of adjoining villages which had little or no culturable land subject to the payment of nazarana; certain occupancy tenants have been recognised as owners of their holdings; and the rest has been given back to the old owners.

There are six other estates in this tahsil, Nangla Bhawa, Bhagori, Samogar, Sarai Bambu, Nangla Honta, Dhareri, in which owing to deterioration by river action the settlement demand could not be paid and the State, instead of remitting or reducing the jama of the land thrown out of cultivation or injured in quality, with its usual inclination for kham management decided to make the collections kham, i.e., proportionate to the actual cultivation. The Settlement jama of these estates was Rs. 6,048 while last year the collections were Rs. 4,362 and the arrears on the nominal demand are Rs. 15,132. All these estates have now agreed to accept a fixed jama based on present conditions and any future changes will be taken account of under the diluvion-alluvion rules that will be framed.

In Bhusawar six whole estates (1) Nangla Man Singh, (2) Kotke, (3) Jat Balai, (4) Lalpur, (5) Jiwad,—all of which have suffered from Banganga inundations,—and (6) Sir Sirkar, representing the State patti in the town of Weir had come under kham management. The measures taken to control the Banganga floods have facilitated the settlement of Nos. (1) to (5). In (1) and (2) the whole area has been settled with the owners, and in (3) to (5) after deducting areas of excess waste to be leased to others for cultivation the rest has been made over to the zamindars; (6) will remain State property but fixed leases for the torm of settlement have been given to the cultivators. Besides these six estates the township of Ballabgarh being the personal property of the Jagirdar is managed direct while the Jagir is under attachment and this arrangement will continue in view of its probable restoration.

There are a few other cases pending besides the above mentioned, but in all of these permanent arrangements will be made before giving out the new assessments in order to secure that no estate or holding may remain under direct management.

57. Besides estates managed kham in which the owners still live and hold Deserted shares or holdings and part of the cultivation, there is a great arrangements now made. number of estates or holdings out of those shown in para. 53 still derelict owing to the desertion of the owners and the refusal of the heirs or relations to take them up. In Rupbas there are no such holdings. In Oochain the area is inconsiderable amounting to only 276 bighas in the three estates of Lulkari, Atari, and Tehri Brahmin, and this has now been settled generally with the old owners or their heirs or relations.

In Biyana the area still derelict amounts to 2,421 bighas in the four estates of Jhamri, Bhuga Maroli, Mehrawar, and Sheopura. In these also arrangements have been made with the old owners where forthcoming or with other agriculturists of the village. These have already been put in possession and have accepted full liability from the present kharif harvest.

In Bhusawar for reasons already explained the abandonment of shares and holdings owing to the desertion or refusal of responsibility by the owners had reached a pitch which unless seriously grappled with threatened to involve the whole tahsil. In addition to the large areas transferred under pressure of the assessment and several estates held kham, in no less than 49 estates were there 122 described holdings or shares covering an area of 19,605 bighas assessed at Rs. About 80 per cent. of these holdings had been deserted since the settlement of 1890, chiefly in the scarcity of 1895-96. Such holdings were generally managed by the tahsil through the Patwari who loased them to the zamindars of the village or to others at his own discretion. The zamindars had no interest in cultivating the land as this rendered them liable for the full assessment, which was generally excessive, whereas by allowing the land to run out of cultivation they had the benefit of the grazing and no revenue responsibility. In this way the cultivation of such lands gradually fell off, while the arrears being calculated on the nominal jama increased, and owing to both these causes no one would come forward to take up these holdings. The prompt settlement of this difficult question was however a necessary preliminary to the re-assessment. Each case was worked up by the Deputy Collector M. Hira Singh and when on tour in November last I called up the Zamindars, fixed the amount of the arrears since last settlement to be realised-generally taking onethird or one-fourth—and in this way and also by assuring them that the new jama would be distributed by soils not by shares encouraged them to assume responsibility. The cases were then made over to the Deputy Collector to perfect the arrangements, which he did with such success that the old owners were induced to return in the majority of cases and resume possession and liability, and where they were not forthcoming other Zamindars in the village or adjoining villages willingly took up the holdings. Where the owners were without adequate means Takavi was advanced to them for seed and bullocks to the extent of about Rs. 3,000. Up to 1st April 1895 deserted holdings had been settled in this manner in 44 estates. The present jama of the area so sottled is Rs 14,881, and the arrears to be realised Rs. 8,693 out of a total of about Rs. 27,527. All the remaining cases have I think been since settled.

No less than 109 of the old owners have returned—for the most part from foreign territory, and it is estimated that the result of the scheme has been to increase the number of ploughs by 300 and the population by 1,000.

58. The following table shows the population of these tahsils and of the whole State by each census since 1867.

Decrease in population.

|              |            |       |          |          |          |          |          | DRTAT    | L IN 1691 I | T SBI AND | PRETO     | ion.    |          |
|--------------|------------|-------|----------|----------|----------|----------|----------|----------|-------------|-----------|-----------|---------|----------|
| ,            | Tahsil.    |       | 1867.    | 1881.    | 1891.    | 1898-99. | Males.   | Females. | Hindu.      | Masalmsn. | Jain.     | Others. | Total.   |
| Rupbas       | ***        | •••   | 86,322   | 34,134   | 30,186   | 26,352   | 18,351   | 13,835   | 27,658      | 2,512     | 18        |         | 30,186   |
| Oochain      | •••        | ,     | 50,504   | 49,840   | 47,735   | 43,443   | 25,585   | 22,150   | 43,017      | 4,239     | 449       |         | 47,735   |
| Biyana       | ***        | 411   | 76,347   | 76,859   | 75,126   | 67,919   | 40,616   | 34,490   | 70,605      | 4,194     | 327       | •••     | 75,120   |
| Bhusawar     | 1          |       | 72,976   | 72,341   | 73,726   | 62,153   | ***      |          | •••         | ***       |           | •••     |          |
| Ballabgarh   | }          | •••   | 8,893    | 8,511    | 8,935    | 7,550    | **1      | •••      | ***         | 4+4       | <b></b> . | •••     | •••      |
| Total        | }          |       | 82,960   | 80,852   | 82,663   | 69,703   | 44,134   | 38,529   | 77,135      | 4,989     | 659       | •••     | 82,663   |
| Total of So  | athern Tal | ısils | 2,53,142 | 2,40,394 | 2,35,710 | 2,62,418 | 1,26,716 | 1,08,994 | 2,18,443    | 15,914    | 1,363     | ::      | 2,95,710 |
| Total of Sta | ite        |       | 7,43,716 | 6,45,540 | 6,40,303 | 6,20,645 | 3,47,830 | 2,92,473 | 5,28,629    | 1,07,280  | 1,109     | 6       | 6,40,303 |

The official enumerations show (1) a slight decrease of 2.5 per cent. in these tabsils between 1867 and 1881, whereas the population of the whole State fell off by 13 per cent in the same period, (2) a further slight falling off of about 2 per cent between 1881 and 1891 the population of the State showing a decrease of less than one per cent. in that period. As a matter of fact the depopulation by drought, famine, etc., was probably as great in these as in the other tabsils, but has been disguised by the fact that since 1867, several villages have been transferred from the Bharatpur tahsil to Oochain and Biyana and from Akhegarh to Bhusawar. To be quite accurate the comparison should be based on the total population of the villages at present in each tabsil at successive enumerations, but data for this are not forthcoming. The census made during Settlement operations in 1898-99 shows a decline of over 33,000 or 14 per cent. in the population of these tahsils since 1891. This lends colour to the suspicion generally entertained that the figures of 1891 census were "adjusted"—to use a euphemistic term—in order to conceal the falling off in population. When the census of 1867 was made the State was undoubtedly, owing to the careful administration during a long minority, at the high-water mark of prosperity, and the severest comment on the revenue history since then is that in spite of an industrious agricultural population and abundance of waste land, the population of these tahsils and of the whole State so far from expanding has fallen off by over To conclude the subject of population it may be noticed that the excess of males over females is very marked and between the enumerations of 1881 and 1891 the disparity remained constant.

In these tahsils the vast majority of the population is Hindu, the percentages being Hindus 93, Musalman 6.5, Jains 5.

Famine of 1899-1900. History to a close by a reference to the famine of the prompt and liberal action of the administration in suspending a considerable part of the land revenue in granting Takavi for wells and seed, and in opening relief-works wherever required, the State though subjected to a very severe strain, has been saved from the general calamity which ruined its prosperity in 1877-78. The following table shows the weekly numbers on relief works and gratuitously relieved throughout the State since the distress took an acute form.

|                  |     | 1             | SI WEE      |        | 2             | AD WEEL     | ε.     | :             | BED WED!    | t.     | 4             | TH WEE      | E.     | 57            | п           | BX     |
|------------------|-----|---------------|-------------|--------|---------------|-------------|--------|---------------|-------------|--------|---------------|-------------|--------|---------------|-------------|--------|
| Ronth.           |     | Rellef works. | Gratuitous. | Total, | fellef works, | Gratuitons, | Total. | Rolles works. | Gratuitous. | Total. | Relief worke. | Gratu tous. | Total. | Relief works. | Gratuitous. | Total. |
| October          |     | 507           |             | 507    | 1,193         | 105         | 1,293  | 1,330         | 135         | 1,465  | 3,016         |             | 3,016  |               |             |        |
| November         | ••• | 1,053         | 76          | 1,123  | 692           | 62          | 754    | 300           | 37          | 397    | 7,494         | 6G          | 7,550  | <b>'</b>      |             |        |
| December         | ••• | 8,423         | 67          | 8,490  | 10,257        | 913         | 17,170 | 11,133        | 83          | 11,221 | 11,329        | 97          | 11,426 |               | '           |        |
| January          | ••• | 12,295        | 81          | 12,370 | 11,832        | 176         | 12,018 | 11,183        | 237         | 11,420 | 10,500        | 326         | 10,823 |               |             |        |
| Fehruar <b>y</b> | *** | 10,239        | 37          | 10,325 | 10,870        | 876         | 11,716 | 11,481        | 769         | 12,210 | 11,567        | 577         | 12,141 |               |             |        |
| March            |     |               | ***         | •••    | 11,331        | 1,015       | 12,426 | 10,955        | 879         | 11,831 | 7,175         | 2,028       | 9,203  |               | •••         |        |
| <b>L</b> pril    | ••• | 9,293         | 962         | 10,255 | 10,451        | 965         | 11,419 | 11,450        | 1,023       | 12,484 |               | ***         |        |               |             |        |
| May              | ••• | 12,341        | 1,007       | 13,349 | 12,650        | 1,023       | 13,675 | 12,130        | 1,016       | 13,146 | 11,909        | 1,103       | 13,013 |               |             | ***    |
| Jane             | ••• | 11,698        | 1,200       | 12,717 | 10,807        | 1,148       | 11,815 | 11,016        | 1,033       | 12,040 | [             |             |        |               |             |        |

The numbers show a steady increase throughout the cold weather up to the end of February, in March a considerable falling off owing to the harvest operations, in April and May again a steady increase, and in June a tendency to go down as the occasional showers attracted labour to the fields. Unfortunately the delay in the advance of the monsoon has increased the tension. The distress has been greatest in and around the city of Bharatpur and in the central and northern tahsils. These four tahsils had a fairly good rainfall last year and the *kharif* crop was from a 6 anna to a 12 anna one, while there was a very fair rabi on the sweet wolls which form three-fourths of the total number.

89-A. Accordingly the revenue collections have been much better than in Revenue collections of the past year and proposals regarding arrears the rest of the State as the following figures only just received show.

|                    |      | Total                            |                        |           | Balance.                             |                   |           | Baza       | NCB IN ARRI | BAB.     |
|--------------------|------|----------------------------------|------------------------|-----------|--------------------------------------|-------------------|-----------|------------|-------------|----------|
| Tahsil.            |      | demand<br>revenue and<br>cesses. | Remission<br>for hall. | Total,    | Amount realiable of which suspended. | Actual<br>demand, | Realised. | Suspended. | Other.      | Total.   |
|                    |      | Ba.                              |                        | Rg.       | E3.                                  | Rs.               | Rs.       | R3.        | Rs.         | Bs.      |
| Bapbas             | ***  | 1,16,272                         |                        | 1,16,272  | <b>2,3</b> 29                        | 1,06,913          | 80,835    | 9,329      | 20,109      | 35,437   |
| Duchain            | •••  | 1,90,381                         |                        | 1,90,391  | 21,609                               | 1,63,575          | 1,65,992  | 21,609     | 1,783       | 23,991   |
| Biyans             | •••  | 3,29,996                         |                        | 2,29,984  | 130                                  | 2,20,851          | 3,21,109  | 130        | 8,745       | 8,975    |
| Bbnsawar           | •••  | 2,60,701                         |                        | 2,00,701  | 66,676                               | 1,94,026          | 2,03,410  | 64,178     | 3,113       | 57,291   |
| Ballabgarlı        | ***  | 23,932                           |                        | 83,932    | F,614                                | 29,318            | 31.350    | 3,552      |             | 2,692    |
| Fotal couthern Tab | ells | 8,31,273                         |                        | -8,31,273 | 1,03,357                             | 7,27,916          | 7,03,026  | 67,929     | 39,749      | 1,27,577 |
| Per cout. ***      |      | 100                              |                        | 100       | 12.5                                 | 87.5              | 84 5      | 10.2       | 5           | 16.8     |

| •                |          | Total                            |                        |           | BILLINGE.                                     | •                 |           | BAL        | NCH IN ARD | BIB.     |
|------------------|----------|----------------------------------|------------------------|-----------|---|-------------------|-----------|------------|------------|----------|
| Tahsil,          |          | demand<br>revenue and<br>ceeses. | Remission<br>for hail. | Total.    | Amount<br>realiable<br>of which<br>suspended. | Actual<br>demand. | Realised. | Suspended. | Other.     | Total.   |
|                  |          | Rs.                              |                        | Rs.       | Rs.   | Rs.               | Rs.       | Bs.        | Rs.        | Bs.      |
| Knmher           | •••      | 1,76,865                         | •••                    | 1,76,865  | 48,353  | 1,28,512          | 1,29,143  | 46,678     | 1,044      | 47,723   |
| Akbegarh         | ?<br>*** | 1,54,525                         | ***                    | 1,54,525  | 27,120  | 1,27,405          | 1,30,848  | 20,770     | 2,907      | 23,677   |
| Bharatpur        | •••      | 1,75,532                         | •••                    | 1,75,532  | 37,592  | 1,37,040          | 1,47,402  | 26,287     | 1,813      | 28,130   |
| Nagar            | ***      | 3,16,415                         | 16,458                 | 2,99,037  | 60,937  | 2,49,000          | 2,37,872  | 50,629     | 11,450     | 62,095   |
| Pahari           | •••      | 2,51,780                         | 2,800                  | 2,51,971  | 183,83  | 1,93,387          | 2,05,073  | 34,857     | 12,041     | 40,808   |
| Kama             | ***      | 1,76,712                         | 4,410                  | 1,72,265  | 45,397  | 1,26,868          | 1,06,162  | 43,055     | 22,148     | 68,103   |
| Dig              | •••      | 1,72,917                         | 1,231                  | 1,71,693  | £9,207  | 1,12,476          | 1,03,219  | £9,207     | 0,228      | 68,435   |
| Total remaining  | tahsils  | 14,27,746                        | ,21,918                | 14,02,798 | 3,27,210                                      | 10,75,589         | 10,59,748 | 2,82,393   | 60,007     | 3,43,050 |
| Grand total of S | itate    | 22,59,010                        | 21,018                 | 22,34,071 | 4,30,567                                      | 18,03,501         | 17,63,411 | 3,70,211   | 1,00,416   | 4,70,627 |
| Per cent         |          | .100                             | 1                      | 09        | 19  | 60                | · 78      | 16.2       | 4.5        | 21       |

Thus taking the demand for the whole State—Rs. 22,59,019—as 100, one per cent.—Rs. 24,948—was remitted for damage by hail in the three northern tahsils, 19 per cent.—Rs. 430,567—was placed under suspension, leaving 80 per cent.—Rs. 18,03,504—to be collected. The actual collections came to Rs. 17,63,444 or 78 per cent., while 21 per cent.—Rs. 4,70,627—remained in arrears viz., 16.5 per cent.—Rs. 3,70,211—out of the amount suspended, and 4.5 per cent.—Rs.1,00,416—out of the actual demand.

In the four southern tahsils 12.5 per cent. of the demand was suspended, leaving 87.5 per cent. to be collected, and the amount collected was 84.5 per cent., leaving 15.5 per cent. in arrears viz., 10.5 per cent. out of the suspended revenue—some of which it was found possible and desirable to collect—and 5 per cent. out of the actual demand.

It will immensely facilitate the working of the of settlement, and remove a fruitful source of future trouble and confusion if these arrears are now disposed of. As a supplement to the proposals in para 52, for the settlement of the arrears down to 1898-99, I now propose that the arrears of 1899-1900 in those tabsils be dealt with as follows:—

| Tahsil.                |     |     | Rupbas.       | Ooghain.      | Biyana.      | Bhnsawar.     | Ballabgarh.  | Total.                  |
|------------------------|-----|-----|---------------|---------------|--------------|---------------|--------------|-------------------------|
| Total arrears          |     |     | Rs.<br>35,437 | Rs.<br>23,392 | Rs.<br>8,875 | Rs.<br>57,291 | Rs.<br>2,662 | Вя.<br><b>1,27,</b> 577 |
| Proposed for remission | *** | ••• | 25,437        | 15,892        | 6,375        | 41,791        | 1,582        | 94,077                  |
| 27 25 realisation      | ••• |     | 10,000        | 7,500         | 2,500        | 12,500        | 1,000        | 33,500                  |

Then the final result in each tabsil will be-

| Tahsil.                                | Rupbas.         | Oochain.        | Biyana.       | Bhusawar.       | Ballabgarb,   | Total.          |
|--|-----------------|-----------------|---------------|-----------------|---------------|-----------------|
| Total arrears 1800-91 to 1899-1800 ,,, | Es.<br>1,66,000 | Rs.<br>1,62,160 | Ks.<br>75,525 | Rs.<br>2,10,245 | Rs.<br>10,125 | Rs.<br>6,21,139 |
| Proposed for remission                 | 1,35,060        | 1,34,686        | 58,025        | 1,70,215        | 6,623         | 8,05,639        |
| , realisation                          | 30,000          | 27,500          | 17,500        | 40,000          | 3,500         | 1,18,500        |

The total amount proposed for recovery is the most that the tahsils can bear having regard to their past history, present condition, and the future assessment to be proposed.

As regards the remaining tabilis, the question of the arrears of 1899-1900 will be disposed of in communication with the Political Agent and State Council.

## CHAPTER III.

## GENERAL STATISTICS.

Tenures and methods of distributing the revenue.

60. The following table shows the classification of estates in each tabsil according to tenures:—

|          |   |                | <del></del> | <del></del> | ı   | Zanin |         | PATTI    |            | BHAYAC   | 1         | 7               |          |           |
|----------|---|----------------|-------------|-------------|-----|-------|---------|----------|------------|----------|-----------|-----------------|----------|-----------|
| TabsiL   |   |                | Det         | all,        |     | Puro. | Joint.  | Perfect. | Imperfect. | Perfect. | Imperfect | State property. | Kham.    | Total.    |
| Rapbes   | { | Khalsa<br>Mafi | ***         | ***         | *** | 3     | 231     | 1        | 34         |          | 10}       | 1<br>           | <b>3</b> | 73}<br>4} |
|          |   |                |             | Total '     | ••• | 3     | 25}     | 2        | 35         |          | 11        | 1               |          | 78        |
| Occhain  | { | Khalsa<br>Mati | •••         | ese<br>614  | *** | 1     | 16<br>2 | 15       | 43<br>6    |          | 8         | 3               | 4        | 80<br>7   |
|          |   |                |             | Total       | **  | 1     | 19      | 15       | 47         |          | 9         | 2               | 4        | 96        |
| Biyana 🛶 | { | Khalsa<br>Mafi |             | ***         | ••• | ***   | 30      | 12       | 82<br>0    | 3        | 23        | -I<br>-::       | 1        | 163       |
|          |   |                |             | Total       | ••• | •••   | 33      | 14       | 91         | 3        | 26        | 1               | . 1      | 168       |
| Bhusawat |   | Khales<br>Mad  | ***         | • 414       | *** | 1     | 20      | 7        | 102        | 1        | 8         |                 |          | 140<br>9  |
|          |   |                |             | Total       | *** | 1     | 20      | 7        | 109        | 1        | В         | 4               |          | 149       |
|          |   |                | Germ        | D TOTAL     | ••• | В     | 05}     | 38       | 281        | 3        | . 51      | 8               | 6}       | 491       |

The Kham estates shown are those which had not been settled when the statistics were prepared. The "State property" includes in Bhusawar (1) the estates of Ballabgarh—really the property of the Jagirdar, (2) The Sir Patti in Weir—which will be leased to the cultivators for term of settlement, (3) the estate of Nangla Man Singh now given up for cultivation, (4) the State Rund of Jiwad. Two-thirds of the estates are held, at least in theory, by shares; one-fifth are owned by a single owner or bodies of joint owners and only one-eighth are held in severalty. This question of tenure will be better understood if considered in connection with the methods of distributing the revenue demand viz.:—

| Number. | Particulars,                    | •    | Bupbas. | Oochain. | Biyanā. | Bhusawar. | Total. |
|---------|---------------------------------|------|---------|----------|---------|-----------|--------|
| 1       | By shares                       |      | 43      | હક       | 106     | 101       | 294    |
| 2       | As fixed at sottlement on land  | 188+ | 4       | •1•      | 13      | 3         | .20    |
| 3 .     | By nunual soil rates            | ***  | 16      | 34       | 29      | 18        | 97     |
| 4       | All-round rate on cultivation   | 41)  | 10      | 9        | 1       | 10        | 30     |
| 5       | Lump sums (chikota) on holdings | ***  | ***     | ***      | 2       | 5         | 7      |
| 6       | Mati, Inam and State property   | 4**  | 5       | . 9      | . 17    | 13        | 43     |
|         | Total                           | •••  | 78      | 96       | 168     | 149       | 491    |

So that only 20 estates have a fixed *Khewat* or distribution over holdings; three-fifths of the total number pay the jama according to shares; one-fifth by soil rates, varying according to the cultivation of each year or harvest; and the rest either by lump sums on holdings or an all-round rate on cultivation.

61. The general system of distributing revenue liability by shares, where proprietary rights are based on shares, though Inequality of distribution by shares. specious enough at first sight is radically unsound and has been the cause of the ruin of hundreds of shareholders, and of holdings being abandoned and left derelict. Such a distribution to be equitable presupposes (1) that the original partition of the land by shares was made equally and justly, but in Bharatpur this is very far from being the case, as the strongest shareholders seized the best land and wells prior to and retained them on partition, (2) that since the original partition there has been no change of any importance in the relative revenue-paying capacity of the holdings. But this assumption too is far from correct, for in a tract like this, subject to considerable river action, and also much dependent on wells, this factor cannot remain constant over a term of years. One shareholder's well is bitter; or it runs dry, or collapses, and he is not in a position to renew it; or his land gets sanded over by a Banganga flood, and goes out of cultivation, and yet he is compelled to pay the same amount of revenue as a shareholder who has none of these disadvantages to contend with. No wonder that under such a blind rule-of-thumb system desertions have been numerous, for a great number of shareholders must be placed under a distinct disadvantage. The fact is that in former assessments no attention was given to the distribution of the State demand. The people were in theory left to arrange this themselves, which in practice meant that it was arranged for them by the Patwari with the aid of one or two pushing lambardars or shareholders who had their own ends to They have now come to recognise the evil results of the old system, and the first question asked when arrangements are on foot for the settlement of deserted holdings is whether the new jama will be distributed as before by shares—in which case no offers would be forthcoming—or by rates on the different classes of soil according to quality. When reassured on this point they were generally found willing to undertake responsibility. Even in joint estates the co-sharers are anxious to pay for the lands in their separate occupation by soil rates. Of course in such cases the first step should be a partition, but from this they have been hitherto deterred by the high fees charged and the trouble and delay involved. There are many large and unwieldy estates, still nominally joint, in which partition is absolutely necessary to put things on a proper footing, and special arrangements will be made for this as soon as possible.

62. The average land-revenue demand per estate on the present jama is in Rupbas, Rs. 1,450, Oochain, Rs. 1,941, Biyana, Rs. 1,312 and Bhusawar, Rs. 1,850. To ascertain the average on the new jama, these figures should be altered in proportion to the alteration of the demand in each tahsil. The proportions of large and small estates will appear from the following table:—

|                | Par                | ticulars. |     |       |   | Rupbas. | Oochain. | Biyana,  | Bhusawar, | Total.   |
|----------------|--------------------|-----------|-----|-------|---|---------|----------|----------|-----------|----------|
| Estates paying | Bs. 500 or less    |           | 411 |       |   | 11      | 0        | 38       | 22        | 80       |
| 17 17          | ,, 500 to 1,000    | •••       | ••• | •••   |   | 19      | 14       | 50       | 31        | 113      |
| ,, ,,          | ,, 1;000 to 3,000  | ***       | ••• | •••   |   | 39      | 51       | 54       | 63        | 211      |
| ,, ,,          | ,, \$,000 to 5,000 | ***       | ••• | •••   |   | ′ ts    | 10       | 10       | 19        | 43       |
| " "            | .,, over 5,000     | ***       | ••• | •••   | · | 1       | š        | 5        | 8         | 19       |
|                |                    |           |     | Total |   | 73      | 89       | 157      | 147       | 468      |
|                |                    |           |     |       |   |         |          | <u> </u> | 1 16      | <u> </u> |

From this it is clear that the tract is one of moderate-sized estates. No estate pays Rs. 10,000 or over. The highest revenue paying estates are in Rupbas—Khanwa—Rs. 5,052; in Ooehain—Pichuna—Rs. 9,957, and Panghora, Rs. 7,007; in Biyana—Biyana town—Rs. 7,483, and Singhara, Rs. 7,355; and in Bhusawar—Bhusawar town—Rs. 9,500, Sarsena, Rs. 6,740.

63. The following table—extracted from Statement V—shows the cultivated ing occupancy in the year 1898-99. In this and following statistics where the contrary is not stated, mafi areas have been excluded. In Bhusawar I have shown the Ballabgarh jagir separately and State property under cultivation is included as it is assessed; but in Biyana the village of Bareta, which is part of the Ballabgarh Jagir, is included in mafi.

|                                     |            | Rupp    | .s.         | Ооопа    | in.         | BIYAN    | ١.          | BHUSAW   | AR.         | BALLAB | GARK.       |
|-------------------------------------|------------|---------|-------------|----------|-------------|----------|-------------|----------|-------------|--------|-------------|
| Detail.                             |            | Area.   | Percentage. | Area.    | Percentage. | Area.    | Percentage. | Area.    | Percentage. | Area.  | Percentage. |
| Total area cultivated               | g61 JI     | 83,019  | 100         | 1,23,593 | 190         | 1,42,060 | 100         | 1,70,378 | 100         | 20,899 | 100         |
| Area cultivated by-                 |            | 1       |             |          |             |          |             |          |             |        |             |
| (1) Owners                          | 1          | 89,835  | 47          | 48,631   | 38          | 55,439   | 89          | 63,859   | 37          | 4,814  | 23          |
| (2) Occupancy tenants               |            | 3,923   | Б           | 5,664    | 4           | 13,429   | 19          | 3,601    | 2           | 608    | 9           |
| (3) tenants free of rent            |            | . 1,705 | 2           | 2,296    | 2           | 3,801    | 3           | 5,440    | 3           | 278    | . 1         |
| (4) At favourable rents             | ,          | . 159   |             | 1,682    | 1           | 375      | •••         | 13       |             |        |             |
| Area oultivated by tenauts at will- | -          |         |             |          |             |          |             |          | 1           |        |             |
| (a) paying in kind                  |            |         |             |          |             | 173      | •••         | 528      |             | •••    |             |
| (b) " Zabti rents                   | ··· ·      | 3       |             | 2,599    | 2           | •••      | •••         |          |             |        |             |
| (c) , cash rents at own             | er's rates | 12,716  | 15          | 26,728   | 22          | 12,771   | 9           | 15,329   | 9           | 128    | 1           |
| (d) , at other rates                | •••        | 25,798  | 31          | 87,000   | 31          | 55,970   | 80          | 81,617   | 49          | 15,041 | 72          |
| Total cash rents                    | ***        | 39,427  | 40          | 67,317   | <b>6</b> 5  | 69,750   | 49          | 96,937   | 58          | 15,159 | 73          |
| Number of owners excluding absen    | ntees .    | 3,220   |             | 4,533    |             | 7,778    |             | 0,162    |             | 467    |             |
| Number of proprletary holdings      |            | 672     |             | 1,359    |             | 2,173    |             | 2,422    |             | 152 .  |             |
| Detall,                             |            | Area.   | Јата.       | Area.    | Jama.       | Arca.    | Jama.       | Arca.    | Jama.       | Area.  | Jama.       |
|                                     |            |         | Rs.         |          | Rs.         |          | Rs.         |          | Es.         |        | Rs.         |
| Average area of cultivation         |            |         |             |          |             |          |             |          |             |        | 1           |
| (a) per holding                     | •••        | 134     |             | 62       |             | 61       |             | 70       |             | 137    |             |
| (b) per owner                       | •••        | 26      | 32          | 27       | 38          | 18       | 27          | 28       | 38          | 45     | 71          |
| (c) per occupancy tenant            | ***        | \ 12    |             | 8        |             | В        |             | 6        |             | 4      |             |
| (d) per tenant-at-will              | •••        | 13      |             | D        | 1           | 7        |             | 6        |             | 0      | 1           |

Thus in Ruphas owners as such cultivate nearly one-half of the total area; in the remaining three tabsils from three-eighths to two-fifths; and in Ballabgarh where all the land attached to Ballabgarh town—about one-fifth of the total—is owned by the Jagirdar and cultivated by tenants, only one-fourth.

Area cultivated by owners and size of holdings.

Area cultivated by owners and size of holdings.

out higher were it not that the Kham villages and deserted holdings—which had not as a rule been settled in 1898-99—are shown as cultivated by tenants even when these tenants are the former owners, many of whom have now been reinstated. Besides the area of Khudkasht

shown above, many owners for various reasons, e.g., scarcity or inferiority of their own land, cultivate as tenants in their own or adjoining villages. The extent of such cultivation is as follows:—

|               | Detail. |     | Rupbas. | Oochain. | Biyana. | Bhusawar. | Ballabgarh. |
|---------------|---------|-----|---------|----------|---------|-----------|-------------|
| Area          | 400     | *** | 3,135   | 14,440   | 9,800   | 15,575    | 1,228       |
| Percentage of | total   | *** | 4       | 12       | 7       | 9         | 6           |

and if we add this to the area cultivated as owners, the proportion of the total area held by them comes to 46 per .cent. in Biyana, Oochain, and Bhusawar, and 51 per cent. in Ruphas which is a very good proportion.

Excluding Ballabgarh the circumstances of which are exceptional, the average area of cultivation per owner ranges from 18 to 28 bighas or 7 to 11 acres, and the land-revenue per owner varies from Rs. 27 in Biyana—where holdings are small and population relatively dense—to Rs. 38 in Bhusawar and Oochain. In the Punjab in 1897-98 the average area of cultivation per owner was 8 acres assessed at Rs. 8.

Area cultivated by different classes war, where the high assessment deterred of tenants.

tenants from urging their claims, to 10 per cent. in Biyana where much of the best well-cultivation is carried on by this class. Prior to the present settlement no enquiry had been made into tenant right. In preparing the new records registers were prepared in which all such claims were entered and disposed of by the officer in charge of the circle after full enquiry. The number of eases decided up to date has been: Rupbas—210, Oochain—824, Biyana—1,487, Bhusawar—600. In the majority of cases the claims were readily admitted by the owners who, where the assessment was heavy or cultivators few, were only too willing to admit others to share their liability. But where land was valuable the claims were often vigorously contested. Cases have also come to my notice in which at the time of attestation, the owners dissuaded the tenants from lodging or prosecuting their claims by the promise that their cultivation would not be disturbed, and the tenants subsequently finding from ejectment proceedings, etc., that they had been deceived have applied now to have their status defined.

The area held free of rent does not exceed 3 per cent. in any talsil. It is usually so held in return for village service by Brahmins, Purohits, Chaukidars, etc., and now that the owners have come to realise that they have the discretion of including it in the bachh, it will probably fall off considerably. In Bhusawar the area held free by Mina Chaukidars in return for their duties of watch and ward is 1,415 bighas assessed at Rs. 2,500. Land held at favourable rent comes under the same category. The area is inconsiderable except in Oochain where it comes to 1 per cent. of the total.

Rents in kind, i.e., in which the owners take a share of the crop are unknown in Ruphas and Oochain and very rare in Biyana and Bhusawar. Since Moghul times the revenue in these tracts close to Fattehpur Sikri and Agra, has been generally collected in cash, and for the same reason rents have been levied in cash, as the distinction between owner and cultivator has hitherto been so slight in practice that the latter usually paid the State demand direct instead of through his nominal landlord.

In all these tabsils therefore tenants usually pay in cash, and the proportion of the total area held on cash rents runs from 46 per cent. in Rupbas to 57 per cent. in Bhusawar or in round numbers half the area is so held. It will be seen that the area held "at owner's rates" is in all tabsils much less than that held at "other cash rents". The first and natural inference to be drawn from this is that the owners generally exact rents above the standard of "owner's rates".

The true explanation is frequently the very opposite of this, viz., that the incidence of the jama is often so high, or so unequal, or so uncertain, especially where owners pay by shares, that the tenants prefer to cultivate under a Patta or written lease agreeing to pay a fixed sum. This point will be further noticed in Chapter VII.

66. The cultivators, where not owners themselves, are generally of the same caste as the owners or village menials—especially Chamars and Kolis. Brahmins, Caste of cultivators and different methods of cultivation. Baniyas, Kachis, and Mallis also cultivate fairly large areas. In the kharif, nonowners of all classes endeavour to cultivate a few bighas, not so much for the grain as to provide fodder for their cattle. These cultivators have often neither ploughs nor plough-oxen of their own and hire them out from the owners at the rate of 12 annas to Re. 1 per day. Those who are too poor to afford this, break up the soil with hoes and then throw in the seed which explains the saying "Tickle it (the soil) with a hoe, and it will blossom into a harvest". The Khatili lands in the beds of the streams furnish ample scope for the village menials who have no agricultural implements. They require practically no ploughing, but much manure and abundant watering, so all that is needed is a donkey to bring the manure and a rope and gharra for the irrigation from holes dug in the sandy river-bed. The total area cultivated by tenants of the above class is as follows:--

| ;Details,         | Rupbas. | Oochain.               | Biyana.         | Bhus2wgr.       | Ballabgarh.  |
|-------------------|---------|------------------------|-----------------|-----------------|--------------|
| Number of tenants | 1 0000  | <b>2,1</b> 63<br>8,335 | 2,835<br>12,414 | 5,416<br>27,201 | 622<br>3,002 |

The very large area held by them in Bhusawar is a distinct evidence of agricultural deterioration and weakness, for these tenants are the first to abandon cultivation in years of drought.

Another means of testing the stability of cultivation is the area held in an estate or in a tahsil by tenants from outside. This is commonly known as pahikasht and the area so held is—

| Ruybas, | Oochain. | Biyana. | Bhusawar. | Ballabgarh. |
|---------|----------|---------|-----------|-------------|
| 10,735  | 1,563    | 20,148  | 25,352    | 3,282       |

Except in Oochain where owners and resident tenants are numerous, the area is considerable, especially in Bhusawar. This cultivation is in two ways an element of weakness in agriculture—(1) it tends to lower rents for the owners being dependent on tenants from outside have to tempt them by easy terms and eannot exact the full competitive rent, (2) it is the first to be abandoned in years of drought or distress. While on this point I may note that in many villages there were not enough eattle to work the great number of kacha wells sunk as a temporary resource within the last year or two (para. 21). Accordingly many of these were worked by hand, a row of men and women taking the place of the pair of oxen in supplying the draught power.

67. There are no estates held on favourable rates of assessment or on Istamrari tenure except Jhala Tala in Bhusawar which is held by one family of the Pathan owners at a fixed Jama of Rs. 1,135, while the revenue collected was in 1879-98, Rs. 2,900. The grant was resumed in 1858 for participation

in the mutiny, but subsequently restored in the name of one of the co-sharers who has recently died without issue, and the question of its continuance to the descendants of his brothers who was also implicated in the mutiny disturbances is under consideration. The manner in which the area of *Mafi* and *Inam* in these tabsils has been steadily reduced has been explained in para. 33.

68. Statement IV shows in detail the sales and mortgages as now ascer
Alienation by sale or mortgage.

ment of 1890, (2) from 1890-91, up to date. The following table shows the percentage of the total and cultivated area transferred by sale or mortgage up to date—(a) to Zamindars, (b) to non-agriculturists, and the average rate per bigha—

|            |          |              |     | Per or      | at. Mort         | OAGED.             | Рві          | CEST. S          | 0120.              | TOTAL<br>AN<br>MORTO | D I              |          |
|------------|----------|--------------|-----|-------------|------------------|--------------------|--------------|------------------|--------------------|----------------------|------------------|----------|
| Tahsil     |          | Detail.      |     | Total area, | Cultivated area. | Arerago per digha. | l'otal arca, | Cultirated area. | Arezage per bigha. | Total area.          | Cultivated area, | Remares. |
| Bubps      | <b>}</b> | To Zamindars | 444 | 14<br>2     | 17               | Rs.<br>3<br>8      | 8            | 9                | Rs.<br>2<br>5      | 23<br>3              | 28<br>6          |          |
|            |          | Total        | ••• | 16          | 21               | 4                  | 9            | . 10             | 2                  | 25                   | 31               |          |
| Oochain    | {        | To Zamindars | *** | 11          | 12<br>1          | 4<br>5             | 8            | 9                |                    | 19                   | 21               |          |
|            |          | Total        | 411 | 12          | 13               | 4                  | 8            | 9                | 1                  | 20                   | 22               |          |
| Diyana     | {        | To Zamiodara | *** | <b>4</b>    | 8                | 9<br>7             | ·5           | 2<br>•5          | 2                  | 5<br>1.2             | 10<br>2·5        |          |
|            |          | Total        | ••• | 5           | 10               | 8                  | 1.2          | 2.2              | 2                  | 6.2                  | 12'5             |          |
| Bdusewar   | {        | To Zamindars | *** | 2           | 3                | 3                  | 8<br>2       | 7                | 1                  | 10                   | 10<br>4          |          |
|            |          | Total        |     | 3           | 4                | 4                  | 10           | 10               | 1                  | 13                   | 14               |          |
| Bellabzard | {        | To Zamindars | æ1  | 1           | 2 2              | 7 3                | •••<br>•••   | 101              | ***                | 1                    | 2                |          |
| р          |          | Total        | *** | . 2         | 4                | 8                  | ***          |                  | #1                 | 2                    | 4                |          |

The figures include the transfer of whole villages or shares in them made by the State in or after the famine year (para. 54).

<sup>69.</sup> The area transferred is highest in Rupbas where one-fourth of the Analysis of the figures by tahsils. total and nearly one-third of the cultivated area has changed hands, viz., 21 per cent. (of the cultivated area) by mortgage and 10 per cent. by sale; but only one-fifth of the mortgages and one-tenth of the sales have been to non-agriculturists. The total consideration is about Rs. 1,47,000 or 1½ years land-revenue, and averages Rs. 4 per bigha for mortgages and only Rs. 2 per

bigha for sales. The reason for this difference is that the sales were made in bad years under pressure of assessment or in payment of arrears and shares in the following villages were sold by the State—

Bansi Bagri ... ½ Bokoli ... ½ Binwan ... ½ Ahlu ½ Nangla Gujar ½ Milsua ... ½ Ibrahimpur ... ½ Kheriya Lodha ¾ Kundanwara ... ½ Naiagaon... ½ Noharda ... ½

In Oochain about one fifth of the total and over one-fifth of the cultivated area have been transferred—13 per cent. by mortgage, and 9 per cent. by sale; but of this only one-twentieth has passed to outsiders. The total consideration is about Rs. 1,11,000 or two-thirds of one year's land-revenue, and, the average rate per bigha is Rs. 4 for mortgages as in Rupbas, and only Re. 1 for sales. The cause of the low rate in the latter case is the same as in Rupbas. Shares in the following villages were sold up by the State for arrears—

Karai ... & Khanera ... 4 Gahlau ... & Jarila ... \$

In Biyana the area alienated is relatively small, viz., one-sixteenth of the total and one-eighth of the cultivated area, and one-fifth of this has passed to non-agriculturists. The area (of cultivation) mortgaged is 10 per cent. and the area sold 25 per cent. of the whole. The total consideration is about Rs. 2,10,000 or one year's revenue demand, and owing to the superiority of the land in this tahsil the rate per bigha for mortgaged land comes to Rs. 8 perbigha on total and Rs. 14 per bigha of cultivated area; while the rate for sales which have generally been made for arrears or owing to pressure of assessment (para. 54) is only Rs. 2 per bigha. No transfers on an extensive scale were carried out in this tahsil by the State.

In Bhusawar (apart from Ballabgarh) 14 per cent. or about one-seventh of the cultivated area has been alienated, viz., 4 per cent. by mortgage and 10 per cent. by sale, and over one-fourth of this has been to non-agriculturists. The total consideration is about Rs. 63,000 and averages Rs. 4 per bigha mortgaged and only Re. 1 per bigha sold. Shares in 10 estates were transferred by the State for arrears, and in 33 estates by the Zamindars under pressure of assessment, and in these forced transfers the average price realised was only about 12 annas per bigha, which explains the very low rates for sales. Mortgages in this tahsil are comparatively rare, the reason being that owing to the high assessment, the agricultural depression, and the large area of deserted holdings, the demand for land has been very slack. In Ballabgarh the mortgaged area is 5 per cent. and sales are practically unknown.

Total area slienated.

70. For the whole tract the area sold and mortgaged up to date is—

|              | Bioria      | TOAD.       |                 | lvated.                    | go:         | rd.              |             | cultivated.         |
|--------------|-------------|-------------|-----------------|----------------------------|-------------|------------------|-------------|---------------------|
| Detail.      | Total area, | Califrated. | Mortgage money. | Rato per bigha cullivated, | Total ares. | Culifrated ares. | Salo monoy. | Rate per bigha cult |
|              |             |             | Bs.             | Rs.                        |             | -                | Rs.         | Ra.                 |
| To Zamindars | <br>62,620  | 45,033      | 3,62,690        | 8                          | £0,267      | 91,786           | 63,663      | 3                   |
| Others on on | <br>15,529  | 11,435      | 01,419          | 8                          | 9,623       | 5,733            | 13,074      | 2                   |
| Total        | <br>85,319  | 50,474      | 6,67,028        | 8                          | 60,219      | 37,518           | 75,737      | 3                   |

Or in other words 7.5 per cent. of the total and 10 per cent. of the cultivated area have been mortgaged-of which about one fourth has gone to nonagriculturists; and 5.5 per cent. of the total and 7 per cent. of the cultivated area have been mortgaged, of which about one-sixth has gone to non-agriculturists. In all about one-sixth of the cultivated area has been alienated, of which only between one-fifth and one-sixth has passed into the hands of the non-agricultural class. The proportion alienated is almost the same as in the central tahsils, but non-agriculturists have taken much less in these tahsils. The causes of this are manifold, viz.:—(1) There are few wealthy money-lenders. (2) Hitherto the land has had little attraction for and yielded little profit even to the cultivating owners, and was more likely to prove a source of loss than of profit to an owner who could not cultivate himself. (3) The Zamindars, though poor, endeavour and are often able to finance one another. (4) There is a strong feeling against land passing into the hands of outsiders at least by sale, and the State has recently issued orders prohibiting all alienations to non-agriculturists.

71. High assessments therefore and harsh revenue administration, heavily comparison with the Agra District.

as they have pressed on the people in the past, have in a manner protected them from expropriation. In the adjoining Agra District at the close of the 30 years' settlement in 1875, it was found that no less than 40 per cent. of the area of the district had passed into other hands than those who had held it at the previous settlement—30 per cent. temporarily and 10 per cent. permanently—the average prices being Rs. 7-12-0 per acre for land sold. Given a reasonable assessment and a decent revenue administration in the future, the Bharatpur zamindars will be in a better position than their neighbours in Agra, in so far as they have by the force of circumstances held on more tenaciously to their land.

72. The following table extracted from Statement I shows the total area at last settlement and now (1898-99) and its classification into mafi, unculturable, culturable, and cultivated.

|            |            |             |         |         |             |             | MAY: OR | ITAM.       | 1        | State Pe | OPERTY.     | Uncular  | FABLB.                |                |             |             |
|------------|------------|-------------|---------|---------|-------------|-------------|---------|-------------|----------|----------|-------------|----------|-----------------------|----------------|-------------|-------------|
| •          | Tabsil.    | ٠           |         | Detail. |             | Total area. | Total   | Caltirated. | Kinles.  | Ruod.    | Others.     | Ellis,   | Other ronds, gardens, | Culturable,    | Naw fallow. | Caltifated, |
|            |            | ſ           | 1690-91 | •••     | <b>8</b> 14 | 1,83,582    | 5,882   | 115         | 1,77,700 | 7,011    | 400         | 12,861   | 11,094                | <b>55,8</b> 50 | 39,300      | 51,516      |
| Bupbas     | ***        | '' {        | 1898-99 | •••     | •••         | 1,82,341    | 5,719   | 8,543       | 1,76,622 | 7,001    | 850         | 13,769   | 9,273                 | 57,110         | 5,701       | 63,049      |
|            |            | (           | 1890-91 | ***     | •••         | 2,33,870    | 31,268  | •••         | 2,02,611 | 1,379    | 881         | 5,001    | 15,322                | 27,773         | 49,291      | 1,02,951    |
| Occhain    | 411        | {           | 1609-90 | ***     | •••         | 2,32,099    | 20,377  | 19,907      | 2,03,622 | 1,622    | 1,018       | 6,834    | 10,233                | 603,600        | 6,713       | 123,593     |
| *******    | ,          | 5           | 1890-91 | ***     | ***         | 5,02,572    | 30,967  | ***         | 4,71,606 | 850      | 1,788       | 1,48,045 | 63,098                | 80,732         | 42,133      | 134,561     |
| Biyana     | **         | <i>••</i> { | 1808-99 | ***     | eri         | 5,01,103    | 30,671  | 19,605      | 4,70,432 | 290      | 2,401       | 1,52,367 | 80,597                | 75,181         | 11,533      | 142,080     |
| Bhasawar   |            | 5           | 1890-91 | p44     | 1**         | 3,37,103    | 21,398  | 14,869      | 3,15,705 | 4,453    | <b>2</b> 65 |          | 3,459                 | 25,823         | 4 5,104     | 168,596     |
| PHUSANST   | <b>~</b> . | <i>"</i> {  | 1893-99 | •••     | •••         | 3,37,594    | 20,635  | 15,231      | 3,16,959 | 4,458    | 263         | 39,870   | 32,397                | 48,118         | 22,482      | 170,378     |
| Ballabgath |            | }           | 1890-91 | •       | •••         | 87,816      | 2,327   | 1,025       | 35,489   |          |             | 8,       | :79                   | 2,412          | 5,158       | 19,740      |
| extrangur  | 3 ***      | {           | 1899-99 |         | ***         | 86,409      | 2,010   | 1,125       | 31,399   | 400      |             | 4,493    | 4,228                 | 4,074          | 717         | 20,690      |

The total area shows nowhere except in Ballabgarh a variation amounting to one per cent. The maps of last settlement as explained in previous reports have been retained and the areas checked, while all changes in fields, etc., have been brought up to date. The maft area shows a slight decrease in all tabsils and a considerable decrease in Ballabgarh. The decrease is due partly to resumption and to correction of areas. In Oochain it would have been greater were it not that 1,925 bighas wrongly entered as khalsa at last settlement have now been classed as maft. In Bhusawar the village of Jahanpur, the revenues of which are divided between the maftdars and the State, has all been shown as khalsa and so has the Istamrari village of Jhala Tala (para. 67), but allowance will be made for this in calculating the assessments. The reduction of area by more accurate measurements, and the changes in revenue-free area explain the slight increase and decrease of the khalsa area.

Coming to the subdivisions of khalsa, the first is "State property" which in its turn is subdivided into "State Runds" and "other," i.e., roads, gardens, Part of the Rund area is being allotted for cultivation in Oochain and Bhusawar, but as the property has not yet passed, it is still shown as belonging to the State. The unculturable land is shown under the headings of "hills" the area of which has increased slightly owing to more correct classification, and "other unculturable," e.g., sandy or stony wastes, river-beds, ravives, nalas, village-roads, tanks, etc., the area of which shows a decrease in Rupbas and Oochain but a great increase in Biyana, where large areas of the land returned as culturable at last settlement are now quite unfit for cultivation. Culturable land, i.e., old banjar shows a greater or less increase in all tabsils but Bhusawar, owing chiefly to the fact that much of the "new fallow" of last settlement which has not since come under cultivation is now included under the heading of "culturable". The most striking fact in the present classification is the enormous falling off of "new fallow". Apparently at last settlement all land that had at any previous timo—no matter how far back—been under cultivation, but was then found to be out of cultivation, was classed as "new fallow". Most of this land has now gone to furnish the great increase in . cultivation in Ruphas and Oochain, some has been included in old banjar, and only so much has been shown as 'new fallow' as has actually gone out of cultivation within the last three years.

73. Finally coming to the cultivated area, the expansion in Rupbas and Gross and not increase in cultivation.

Gross and not increase in cultivation.

Gochain is enormous, in Biyana substantial, and in Bhusawar appreciable. To arrive at the net increase in cultivation for assessment purposes, we must however deduct the area due to resumption of mafis. This is done in the following table:—

| • Talisil. |          | T. tal increase<br>in<br>cultivation. | Deduct<br>resumed<br>maßs. | Add khalsa<br>now included<br>in mufi. | Net increase. | Percentage<br>of<br>increase. |
|------------|----------|---------------------------------------|----------------------------|--|---------------|-------------------------------|
| Rupbas     | •••      | 31,504                                | 120,                       | *****                                  | 31,394        | 61                            |
| Occhain    | ·<br>••• | 20,612                                | 2,491                      | 1,471                                  | 19,592        | 19                            |
| Biyana     | ***      | 7,499                                 | 456                        | *****                                  | 7,043         | 5                             |
| Bhusawar   | •••      | 3,782                                 | 825                        | 163                                    | 3,120         | 2                             |
| Eallabgarh |          | 1,159                                 | 36                         | *****                                  | 1,123         | 6                             |

The area of cultivation is that which was actually sown in the year 1898-9, which was rather below than above the average at least as regards rabitowings, and it may therefore be accepted as the basis of our calculations without rick of error. Even if we take the area sown last year, 1899-1900, it shows a slight increase in Bhusawar and Ballabgarh, has remained constant in Biyana, fallen off slightly—by 1,000 bighas—in Rupbas, and considerably—by 8,000 bighas—in Oochain, but that was an extreme case and may be left out of consideration.

74. The following table shows that the area of culturable land, viz., banjar and new fallow, is large in all tabsils.

Arrangements for the leaving of culturable waste for cultivation.

|            |     | Tahsil. |     |     | Area.  | Percentage to cultivated area, |
|------------|-----|---------|-----|-----|--------|--------------------------------|
| Rupbas     | 481 | •       | *** | ••• | 65,441 | . 76                           |
| Oochain    | *** | •••     | ••• | ••• | 60,322 | 49                             |
| Biyana     | *** | •••     | ••• | *** | 86,717 | 60                             |
| Bhuşawar   | *** | •••     | 100 |     | 71,600 | 41                             |
| Ballabgarh | *** | •••     | ••• | ••• | 4,791  | 23                             |

Some of this will probably be brought under cultivation without delay under the arrangements now made for the settlement of *Kham* estates and deserted holdings. But even excluding this and allowing a considerable area for pasture requirements, many villages have still large areas of good culturable land, which, unless special arrangements are made, they are never likely to turn to useful account. In such cases I have followed the principles approved last year for bringing into cultivation the excess waste in Bharatpur tahsil, and after making liberal allowances for grazing, etc., have marked off the excess waste in several villages and given it out for cultivation at lenient rates, which vary according to the circumstances of each estate or tahsil but as a rule are as follows:—

| 1st year |   |     | *** | • • • | *** | 4 annas per bigha.           |
|----------|---|-----|-----|-------|-----|------------------------------|
| 2nd year |   | ••• | ••• | •••   | 371 | 6 do. do.                    |
| 3rd year |   | ••• | ••• | ***   |     | 8 do. do.                    |
| 4th year | ٠ | *** | ••• | •• •  | *** | 10 or 12 annas to the expiry |
|          |   |     |     |       |     | of the settlement.           |

Where the zamindars of the village can prove that they are in a position to break up the land and pay these rates, the lease is given to them by preference. Where they are too poor, too weak, or too indolent to undertake the responsibility, arrangements are made with zamindars of neighbouring villages, if forthcoming, and where this resource fails, with agriculturists from British territory or adjoining States. The areas so marked off to be separately leased are—

| Tahsil.  |     |         |     | No. of villages. | Area.  | Remades.   |
|----------|-----|---------|-----|------------------|--------|--|
| •        | •   | •       |     |                  |        |  |
| Rupbas   | ••• | •••     | *** | 8                | 7,790  |  |
| Oochain  |     | •••     | ••• | 10               | 8,767  | Including land allotted to criminal tribes.              |
| Biyana   | *** | · • • • | ••• | 2                | 1,750  |  |
| Bhusawar | ••• | •••     | ••• | 14               | 11,543 | Of this 2,500 bighas has been allotted from State Runds. |
|          |     |         |     |                  |        |  |
|          |     | Total   | ••• | 35               | 29,850 | •  |

The revenue from this source which after a few years will be about Rs. 20,000 has been left out of consideration in Chapter IX.

The arrangements have now been completed in nearly all cases and the lessees put in possession with effect from the present *kharif* harvest. Given a good start, *i.e.*, favourable rains this year, I anticipate that the measure will bring about a rapid increase in cultivation and it will also act as a stimulus to the agriculturists of those villages which from one cause or another have hitherto failed to make good use of their culturable land. In Biyana the land shown as culturable is generally of inferior quality and hence in only a few villages have *chakks* been marked off.

75. The following table shows the details of the cultivated area at last Former and present cultivation by settlement (1890-91) and now 1898-99:—classes.

| A           |      |           |                       |        |         | CHA        | HI.   |              |        |          |         | SAIRA   | BA.      |        | ]       | BARANI |             |
|-------------|------|-----------|-----------------------|--------|---------|------------|-------|--------------|--------|----------|---------|---------|----------|--------|---------|--------|-------------|
| Tabsit      |      | Period.   | Total<br>cultivation. | Ревиа  | nbet.   |            |       | AHI<br>BABA. |        |          | ,       |         |          |        |         |        |             |
|             |      |           |                       | IIa),  | Sabika. | Temporary, | Hal.  | Sabika.      | Total. | Khatili. | Ral.    | Sabika. | Barishi. | Total. | Barani. | Bhur.  | Total.      |
| 7           | (    | 1690-91   | 51,515                | 11,727 | 3,587   |            |       |              | 15,314 |          |         |         |          | 18,121 | 22,502  | 515    | 23,107      |
| Rupbas      | ···{ | 1808-00   | 83,019                | 6,756  | 4,621   | 1,658      | 1,255 | 196          | 14,496 | 272      | 4,072   | 11,491  | 250      | 16,623 | 43,529  | 8,140  | 51,508      |
| Oochain     | {    | 1890-91   | 102,981               | 30,299 | 7,654   |            |       |              | 37,953 |          | •••     |         | •••      | 18,217 | 46,811  |        | 45,811      |
| Obedain III |      | 1603-00   | 123,593               | 17,102 | 6,371   | 307        | 6,771 | 1,235        | 32,006 | 260      | ,31,768 | 14,417  | 490      | 46,725 | 41,700  | 2,002  | 44,603      |
| Biyana      | }    | 1690-01   | 134,561               | 44,839 | 7,832   |            |       |              | 62,671 |          | •••     |         |          | 18,411 | 63,479  |        | 63,479<br>- |
|             | 1    | 1839-99   | 142,060               | 35,283 | 7,599   | 1,000      | 2,799 | 200          | 40,930 | 599      | 12,550  | 3,602   | 1,827    | 17,095 | 61,878  | 14,678 | 76,558      |
| Bhusawar    | {    | 1890-91 , | 166,506               | 55,172 | 14,757  |            |       |              | 69,929 | 502      | 4,162   | 943     |          | 5,195  | 91,000  |        | 91,000      |
|             | ```{ | 1893-99   | 170,878               | 40,133 | 13,006  | 602        | 2,427 | 6            | 57,074 | 482      | 8,408   | ,253    | 303      | 9,114  | 89,967  | 13,741 | 1,03,709    |
| Ballabgarh  | {    | 1890-91   | 19,740                | 8,177  | 1,270   |            |       | •••          | 9,447  |          | ,       | •••     |          | 188    | 10,105  |        | 10,105      |
| 2-110-6411  | •••{ | 1698 99   | 20,800                | 7,189  | 1,546   | 143        | 115   |              | 8,092  |          | •••     | 229     | 65       | 293    | 7,042   | 4,583  | 11,624      |

The eauses of the increase and decrease of the different classes have been commented on in paras. 19—21 and in the remarks on the different tabsils. As the classification at last settlement was a very rough one, it is difficult to compare the subdivisions of each class, chahi, sairaba, barani, but the totals for each class can be compared. The chahi hal of last settlement should be compared with the sum of chahi hal, temporary chahi and chahi-sairaba hal now. The comparison shows that not only has the total chahi area decreased, but also the area actually irrigated within one year. The reason as already explained is not a contraction in the number of wells but in their irrigating capacity owing to the recent drought.

The khatili area was separately shown at last settlement only in Bhusawar where it now shows a slight falling off.

At last settlement the sairaba or inundated land was not distinguished as now into (1) hal, inundated within the year, (2) sabika, within the last five years, (3) barishi, benefitted by drainage from the hillsides. But if we compare the total areas excluding barishi which is merely a subdivision of barani we find—(1) a considerable increase in Rupbas where however most of the sairaba is now sabika owing to insufficient rains and neglect of the bands, (2) an enormous and genuine increase in Oochain which has benefitted more than any other tahsil by the extension of irrigation works, (3) a slight contraction in Biyana where the Barcta band was not in full working and the old bands had not yet been repaired in the year 1898-1899, (4) a considerable expansion in Bhusawar owing to the extension of irrigation by new works such as the Haleyna canal and the Lalpur band. In making the comparison with last settlement I have not included chahi-sairaba as it was then included in chahi, but in taking a survey of the area now benefitted by inundations or irrigation works it should be included, as it receives considerable benefit in this way.

The barani land has increased considerably in all tahsils owing partly to the contraction of chahi, partly to the extension of cultivation. Barani and bhur have now for the first time been discriminated. The barani cultivation is 61 per cent. of the total in Ruphas, 36 in Oochain, 54 in Biyana, and 61 in Bhusawar.

76. The barani crops however are a more important factor than even the Comparison of chahi, sairaba and barani areas with chahi, sairaba and this point more clear, I show both the culbarani crops.

To make this point more clear, I show both the cultivation and crops classed as chahi, sairaba.

| raba. | barani | in | the | vear | 1898-99. |
|-------|--------|----|-----|------|----------|
|-------|--------|----|-----|------|----------|

| Tahsil     | •        | Detail.       |     | Total.   | Chahi. | Chahi-sairaba | Sairaba. | Baraui.  | Percentage<br>of crops to<br>cultivation. |
|------------|----------|---------------|-----|----------|--------|---------------|----------|----------|---|
|            | \#\<br>{ | Cultivation   | ••• | 63,049   | 13,035 | 1,451         | 10,895   | 51,669   |   |
|            | 1        | Percentage    | *** | 100      | 16     | 2             | 21       | · 61     |   |
| Rupbas     | {<br>    | Crops         | ••• | 88,919   | 8,352  | 1,599         | 5,945    | 73,052   | 107                                       |
|            | ί        | Percentage    | 100 | 100      | 9      | 2             | 7        | 82       |   |
|            |          | Cultivation   | ••• | 1,23,593 | 23,980 | 8,026         | 46,985   | 44,603   |   |
|            |          | Percentago    | ••• | 100      | 19     | 7             | 38       | 36       | •••                                       |
| Oochain    | 1        | Cropa         | ••• | 1,33,141 | 17,559 | 6,915         | 38,557   | 70,110   | 103                                       |
|            | ţ        | Percentage    | ••• | 100      | 13     | Б             | 29       | 53       | ***                                       |
|            | ſ        | Cultivation   | ••  | 1,42,060 | 43,862 | 3,063         | 18,574   | 76,550   | •   |
|            | .        | Percentage    | ••• | 100      | 31     | 2             | 13       | 54       |   |
| Biyana     | •• 1     | Crops         | ••• | 1,60,313 | 38,691 | 2,955         | 15,850   | 1,02,838 | 113                                       |
|            | t        | l'ercentage   | ••• | 100      | 24     | 2             | 10       | 61       |   |
|            | ſ        | Cultivation . | ••• | 1,70,378 | 64,041 | 2,433         | £,596    | 1,03,708 |   |
|            | 1        | Percentage    | ••• | 100      | 32     | 1             | 6        | 61       | •••                                       |
| Bhusawar   | 1        | Crops         |     | 1,79,590 | 42,752 | 2,274         | 9,373    | 1,25,197 | 105                                       |
|            | · ·      | Percentage    | ••• | 100      | 24     | 1             | 5        | 70       | •••                                       |
| •          | (        | Cultivation   | ••  | 20,699   | 8,677  | 115           | 293      | 11,624   | 111                                       |
|            | ļ        | l'ercentage   |     | 100      | 42     | 1             | 1        | . 50     | •••                                       |
| Ballabgarh | 1        | Crops         | *** | 23,195   | 7,592  | 108           | 61       | 15,131   | 111                                       |
|            | - (      | Percentage    | ••• | 100      | 34     | ] ]           |          | 68       |   |

The result is that in the year 1898-99, no less than 82 per cent. of the crops in Rupbas, 53 per cent. in Oochain, 64 per cent. in Biyana, 70 per cent. in Bhusawar received no aid from wells, canals, or floods, but were grown purely as barani. Of course the figures hardly represent a normal year, as the excess of barani crops over barani area is in a measure due to dry crops having been sown on chahi or sairaba lands, which if the well water were more abundant and the bands had filled would ordinarily have borne chahi or sairaba crops. The figures are instructive however as proving the apparent paradox that the less the rainfall the more are the crops dependent on it, owing to the failure of other sources of irrigation.

77. The last column of the statement shows the extent to which land is double-cropped. Even in an indifferent year, the area of crops exceeded that of cultivation by 7 per cent. in Rupbas, 8 per cent. in Oochain, 13 per cent. in Biyana, 5 per cent. in Bhusawar, and 11 per cent. in Ballabgarh. In this respect this tract is superior to the central and northern tabsils and the reason is to be found in the superiority of the wells the great majority of which have sweet water. The soil too is a light clean loam free from reh or kallar, fertile and easily worked, and if manured it lends itself particularly well to double-cropping. The most ordinary forms are bajra and in places maize followed by barley or wheat on chahi or by gram in barani lands, and cotton followed by zirā.

78. The methods of agriculture are the same as those described in previous reports. In this tract most of the zamindars' labour is concentrated on the well lands which are invariably manured and weeded and the tillage is generally superior to that of the northern and central tabsils. When going round Biyana in

March last as the rabi was being reaped it was quite exceptional to see a single weed among the well erops, which in the central and northern tahsils at least on bitter wells are often choked with weeds. This absence of weeds is due as much to the clean soil and sweet water as to the weeding. The barani cultivation on the other hand is rather rough, but manure is now being used more and more especially for bajra and cotton. Rabi barani crops, gram and sarson, are little grown as the winter rains are very uncertain, and the autumn crop is comparatively secure. The drainage from the hills is partly held up by the great number of bands in the hill villages, but much more might be done if small bands were made along the field boundaries as in the hilly tracts of the northern Punjab. These would arrest the passage of the hill-water with its fertilising ingredients, and level and improve the soil, which now is apt to deteriorate because the surface is often earried away by the rush of water.

79. Among the special crops grown may be mentioned (1) zira or euminspecial crops zira, Mehndi, betel leaf. sced grown as a second crop generally
after cotton where water is sweet but
searce and most commonly in Biyana and Bhusawar, (2) mehndi or henna
which is grown in a few villages close to Bhusawar and Biyana, (3) pan or
betel leaf which is cultivated with great success in five villages—Umrend and
Bhagora in Bhusawar, and Khareri, Bagrain, and Khan Khera in Biyana. As
this is the only part of the State where mehndi and pan are grown, the method
of cultivation, etc., may here be described.

Mehndi.—The seed is soaked for ten days in water, then sown broadcast—often with another crop—and manured. Within two years the shrub grows to a height of about a foot. It is then transplanted and watered and grows to a height of another foot within the next eight years. The plant lasts for 40 or 50 years, and if well pruned, manured, and watered, yields two crops of leaves each year. The leaves if soaked in water and then applied to the hands or face yield the peculiar henna dye so commonly used by Hindus in marriage ceremonies. They are also used for medicinal purposes. The yield is from one to two mans per bigha.

The cultivation of pan or betel leaf is a source of considerable revenue to the State. It requires a good soil, sweet water, and protection from the wind and from extremes of heat and cold. Hence it is grown generally under the shelter of hills. The cultivators are known as Tambolis and are quite distinct from the owners of the land, but they have a prescriptive right to grow the plant on whatever land they please on condition of paying certain rent and dues to the owners of the land and to the State, as well as duty on every man sold whether within or without the State.

The first stop is, having selected a suitable situation close to a sweet well, to crect a rectangular shed of loose stones 8 to 10 feet high, and about 200 feet long, by 80 broad, roughly thatched with grass or sarkanda. This is known as a bareja. Within this are fixed long rows of light stakes made of bamboos, dhauk or other available wood, up which the plant is trained like a creeper. These are in parallel rows,  $1\frac{1}{2}$  feet apart, the distance between each stake being about 4 inches. A double row is known as a pali, and a bareja contains from 20 to 40 palis. The soil is richly manured and then prepared with the spade. In this the betel leaf is planted in the month of Chait. It soon throws out fresh leaves which trail themselves up the stake. At this stage the young plants are sprinkled with milk and wheaten flour, and the soil is fertilised by the application of sesamum oil and oil-cake in the summer and of sarson oil in the winter. All this time the plant is being earefully watered, 5 or 6 times a day in the hot weather and at intervals of a comple of days in the cold, by a man who passes down along the parallel rows, i.e., the pali, and lets the water flow gently from an earthen gharra which he carries on his shoulder using the palm of his hand to temper its force.

In Jeth (June) the plucking of the new leaves begins from the root upwards. The original plant yields about thirty leaves in the course of two years, after which the bareja is exhausted for the time being and is given up for a year or two, ordinary crops taking the place of the pan in the meantime. While the bareja is working it is most earefully guarded and no one but the

Tamboli is allowed to enter. A single bigha ( $\frac{2}{5}$ th of an acre) will contain 72 palis which in two years will produce 21,600 leaves each or 15,55,200 to the bigha. Of these leaves 9,167 go to a man which sells usually for Rs. 9 and pays a duty of 1-8-0 to the State. In two years therefore the produce of a bigha will sell for Rs. 1,530 besides paying Rs. 255 duty. The cost of working a single pali or double row of plants is as follows:—

|     |                     |               |                    |             |     | Ks. | $\mathbf{A}.$ | Ρ, |  |
|-----|---------------------|---------------|--------------------|-------------|-----|-----|---------------|----|--|
| (1) | wood and erection   | •••           | ***                | • • •       |     | 1   | 0             | 0  |  |
| (2) | straw               |               | •••                | •••         | ••• | 0   | 4             | 0  |  |
|     | seed                | •••           | •••                | ***         |     | 0   | 1             | 0  |  |
| (4) | watering            | •••           | •••                | •••         | ••• | 1   | O             | 0  |  |
| (5) | Lag Pahota 15 an    | $\frac{1}{2}$ | to the State       | 1st year    | ••• | 0   | 7             | 0  |  |
|     |                     |               |                    |             |     |     | 8             | 0  |  |
| (6) | State rent (all goe | s to the      | State) Rs. 1 10    | of lst year | ••• | 0   | 11            | 0  |  |
| (0) | conto rono (arr goo | 5 00 1110     | ~ table) 1.51 1 10 | 2nd year    | ••• | 0   | 15            | 0  |  |
|     |                     |               |                    |             |     |     |               |    |  |
|     |                     |               |                    | Total Rs.   | 147 | 4   | 14            | 0  |  |

or Rs. 351 per bigha. This does not include the cost of erecting the outer wall of stone or the wages of labour. Of these charges, (4) for watering, i.e. filling the reservoir from the well goes to the owner who also receives half of the lag or duty known as Pahota. This is said to be a payment for the grant of the wood free and as the betel-growers have now to purchase it, this tax the propriety of maintaining which was referred to me in 1897 should now be remitted.

The pan of these villages is famous and is exported to Jaipur, Agra, Dehli, etc. The leaves retain their freshness for three months. Mixed with the betelrut of Burma, lime, katha (catechu) and the aromatic elachi they form the delicacy so favoured by the people of Hindustan.

The total area covered by barejas, the area actually under the pan, and the revenue derived by the zamindars and the State are shown in the following table.

|                   |     |       |     |       | EJ16.           |       | r Planted<br>93-99. |       | AGR OP        | AVB      | rogr 1<br>Regr 1<br>Regr 1<br>Regr 1<br>Regr 1 |         | State  |                  |
|-------------------|-----|-------|-----|-------|-----------------|-------|---------------------|-------|---------------|----------|--|---------|--------|------------------|
| Name of villages. |     |       |     | Arca. | No, of barejas. | Area. | No. of barejas.     | Arca. | No. of patis. | Revenue, | Cesses.  | Pahota. | Total, | Customs<br>duty. |
| ,                 |     |       |     |       |                 |       |                     |       |               | Rs.      | Rs.  | Rs.     | lis.   | Rs.              |
| Kharera           |     |       | ••• | 65    | 130             | 28    | 49                  | 32    | 859           | 1,151    | 245  | 215     | 1,641  | h                |
| Bagrain           | ••• | •••   | ••• | 40    | 80              | 19    | 32                  | 17    | 453           | 492      | 111  | 57      | 650    | 4,252            |
| Khan Khera        | ••• | ***   |     | 30    | 41              | 11    | . 27                | 11    | 321           | 261      | 65   | 40      | 366    | לן               |
| Umreud            | ••• | ***   |     | 67    | 112             | 19    | 30                  | 18    |               | 461      | 120  | 199     | 779    | 1                |
| Bhagora           |     | ***   |     | 8     | 17              | 1     | 2                   | 2     |               | 17       | 4  | 12      | 33     | \$1,170          |
|                   |     | TOTAL |     | 210   | 380             | 78    | 140                 | 80    | •••           | 2,402    | 645  | 622     | 3,469  | 5,422            |

Thus the average annual income to the State from the 80 bighas actually under this plant is Rs. 3,469 or Rs. 43 per bigha from the land in the form of revenue, cesses, and lag pahota, besides Rs. 5,422 as customs duty, giving a total of Rs. 8,891. The income to the land-owners from their half share in the lag pahota is Rs. 522, and they are also paid for the use of the water and get lambardari dues on the land-revenue, while they pay nothing to the State for the land as long as it is under the betel-leaf. The actual growers get certain exemptions from the State—(1) 5 palis in every bareja are exempted from taxation, (2) they are given small sums for pugris, etc., (3) they are allowed  $4\frac{1}{2}$  annas per pali for malba or village expenses, and I anna per pali as Makk Mehtari, or allowance for the headmen.

The erop therefore, limited though the area is, is a very paying one to the State, and the expansion of the area should be encouraged. The best way to do this would be to remit the lag pahota as already proposed, and in place of the numerous petty cesses now levied to impose the usual eesses of 2 pice per rupee for dami or Patwar fund and 3 pice per rupee for local rate. These will come to only Rs. 7-11-0 per cent. on the land-revenue, while the present cesses come to over 20 per cent. The taxes now levied press heavily on the growers

and leave them only a small margin of profit. The rates vary in different villages, and the system of taxation and account is unnecessarily complicated. If this is done the land revenue and the customs duty can be maintained at their present rates, and the malba and hakk mehtari continued as before.

80. In para. 18 (b) (2) reference has been made to the system under which mango trees have been planted in husawar and the income derived from them. A similar custom obtains in Biyana town where any person may plant a tree in another man's land, and thereby is entitled to get half the fruit, the other half going to the owner of the land. In Biyana the State formerly claimed a share of the fruit, but in 1890 commuted this for a tax of Rs. 1-2-9 per thousand which yielded an average income of only Rs. 30 or so against Rs. 1,903 in Bhusawar. In 1896 this tax was remitted. The total number of mango trees in khalsa land in each tabsil and the income from sale of this fruit as now roughly ascertained is as follows:—

| Tahsil.                   |     | Number of trees. | Income to owners. | Former average income to State. | Remarks.                         |
|---------------------------|-----|------------------|-------------------|---------------------------------|----------------------------------|
| Rupbas                    |     | 358              | Rs. 29(1)         | Rs.<br>Nil                      | (¹)From 59 trees in one village. |
| Oochain                   | ••• | 1,379            | 798               | •••                             |                                  |
| n: (1) Town               |     | 947              | 800               | 30                              |                                  |
| Biyana { (2) Other places | ••• | 161              | 261               | 4.0                             | ,                                |
| Bhusawar                  | •   | 9,329            | 6,114             | 1,903                           |                                  |
| TOTAL                     | ••• | 12,174           | 8,002             | •••                             |                                  |

The income as stated by the zamindars has been compared with that obtained from trees which are State property. Thus in Biyana the average income from 417 State trees is Rs. 401 or Rc. 1 per tree. As stated in para. 15, I propose to take account of this source of income in assessing villages, and show the demand for it separately, so that where the owner of the tree is not the owner of the land, he can be made to pay his fair share.

There is some income from the ber or wild plum in Weir and in four villages close to Biyana where the fruit is cultivated in gardens, but it is too small to be taken account of in assessing though it will be allowed for in the distribution. Mahua trees from the flower of which liquor can be distilled are fairly common in all tahsils, but bring in no appreciable revenue.

S1. The following table shows the number of cattle, earts, etc., as recorded in the papers of 1899 and as now ascertained by a special enumeration in 1898-99.

|           |              |         |         |     |         |          |            |        | ,      |                 |                | CATTLE.          |                    |                    |         |        |
|-----------|--------------|---------|---------|-----|---------|----------|------------|--------|--------|-----------------|----------------|------------------|--------------------|--------------------|---------|--------|
| Tabil.    |              |         | Detail. | •   | Hou es. | Ploughs. | Carts,     | Oxen.  | Сотя.  | IIo-buffal :es. | Shc-buffaloes. | Goats and sheep. | Horses and ponies. | Nules and donkeys. | Camels. | Toral. |
| opbar     | <b>-</b> - 5 | 1890    |         |     | 4,517   | 1,991    | 59         | 3,783  | 8,129  | 1,571           | 357            | 3,196            | 277                | 265                | 9       | 17,537 |
|           | 3            | 1698-99 | ***     | ••• | 5,333   | 2,915    | 253        | 6,265  | 13,136 | <b>6,</b> 306   | 1,019          | 5,616            | 499                | 620                | 23      | 31,426 |
| ochsin    | ··· {        | 1900    |         |     | 8,975   | 3,741    | G <b>4</b> | 7,374  | 14,162 | 2,605           | 879            | 5,611            | 626                | 421                | 42      | 31,723 |
| •         | ł            | 1808-90 |         | •   | 9,695   | 4,451    | 331        | 12,654 | 17,259 | 8,756           | 3,144          | 8,662            | 570                | 1,211              | 53      | 52,333 |
| 37303     | _ {          | 1600    | •••     |     | 11,689  | 5,301    | 90         | 10,817 | 23,411 | 9,576           | 953            | 17,290           | 597                | 468                | 607     | 63,718 |
|           | (            | 1808-00 | , •••   | (   | 11,318  | 5,501    | 203        | 13,636 | 29,363 | 16,620          | 2,183          | 30,828           | 737                | 1,451              | CC3     | 91,333 |
| teweedi   | {            | 1890    | •••     |     | 11,976  | 4,352    | 29         | 8,723  | 18,950 | 930             | 6,764          | 8,215            | \$99               | 337                | 193     | 43,516 |
|           | {            | 1523-22 | ***     |     | 13,052  | 5,219    | 432        | 13,522 | 21,818 | 3,001           | 12,000         | 14,601           | 898                | 1,571              | 132     | 67,891 |
| allabgath | {            | 1830    |         |     | 1,497   | 475      | 115        | 916    | 1,983  | 118             | 632            | 1,953            | 42                 | 12                 | 47      | 6.718  |
|           | ~ ₹          | 1523-93 | -       | *** | 1,737   | cas      | 59         | 1,261  | 2,193  | 73              | 1,562          | 2,320            | 45                 | 161                | c       | 7,628  |

Assuming the figures of last settlement to be correct, there has been an improvement under almost every head in each tahsil. There probably has been some increase but by no means as great as the figures would show, as the statistics of last settlement were undoubtedly incomplete. The increase in ploughs is probably genuine and is of course due to the expansion of cultivation. number of cattle in all tabsils was in 1898-99 if properly distributed more than adequate for agriculture and the requirements of the people in the way of milk, ghi, etc., but in para. 66 it has been shown that there are many cultivators who have no cattle of their own. In Biyana and in the hilly tracts of Bhusawar and Rupbas, which are owned chiefly by semi-pastoral Gujars, the large areas of waste enable them to keep immense herds of cattle, sheep, and goats. I fear however that the drought of the last two years though not nearly so severe here as in other parts of Rajputana has caused a sensible decrease not only of the surplus cattle but of plough and well bullocks, the extent of which can only be ascertained from a fresh enumeration which I propose to make The State must now come to the rescue in such cases and in this autumn, its own interests as well as those of the people help them with Takavi for the purchase of agricultural stock. The average area of cultivation per plough is in Rupbas 29 bighas, Oochain 32, Biyana 30, Bhusawar 35 bighas, or from 12 to 14 acres, which is not excessive, and is practically the same as for the whole Punjab. Since the enumeration was made there has been a further increase of ploughs owing to the measures taken for the settlement of waste or derelict lands.

Pasture land and State Runds.

The area of culturable and unculturable land available for pasture is shown in para. 72, and in all tabsils is adequate or in excess of the wants of the people. The area of State Runds, which after the grass necessary for State purposes is got together is let out for grazing, is insignificant except in Rupbas, where the large Rupbas Rund with an area of 7,001 bighas furnishes good pasture to Rupbas and the vicinity. Of the 4,458 bighas of Runds in Biyana only 1,500 bighas are being retained to furnish pula for the State and the rest is being leased out for cultivation. Biyana has only 2 small Runds with an area of 290 bighas, and Oochain has one Rund—Karka—with an area of 1,450 bighas which will also be probably given up for cultivation.

82-A. The hillsides in the southern tahsils as throughout the whole State are included in the village boundaries and Hills and arboriculture. regarded as the property of the zamindars. In theory it would have been a better arrangement had the State retained a considerable portion of the hills in its own possession, and worked them as forest reserves, but after what I have seen of the abuses and the hardships to the people incident to such a system in Alwar, I would hesitate to propose its adoption for Bharatpur. Besides it would be unpopular and unjust to deprive the people now of rights which they have held unquestioned for so long a period. In view of the evil results of de-afforestation I think however it is desirable that the State should secure the services of a Forest Officer for a few months, who would inspect the various hillsides and report on the measures to be taken to prevent further denudation and promote the growth of suitable shrubs and There is still one relic of State ownership, viz, a tax is levied (lag punchri) on the grazing of goats and camels. In some cases this is levied only on animals from foreign territory. The question of maintaining this tax has been referred to me, but I shall defer giving an opinion till I have fully inspected the Dang tract next cold weather.

S3. Villages with large pasture areas derive some income from grazing fees
Income from grazing and spontaneous from outsiders and from sale of grass.
During the last cold weather all the tract adjoining the Banganga was overrun by immigrants from Jodhpur and Bikanir whose enormous flocks of cattle, sheep and goats, ate up much of the pasture that the zamindars were relying on for the support of their own cattle

Pala grows in profusion where the soil is a sweet clean loam, and here as elsewhere furnishes valuable fodder especially for milch cattle. Pula is

found in abundance in the sandy lands along the course of the Banganga and Gambhir, and always commands a ready sale, as the houses of all classes are thatched with it and the huts of the poorer classes are often made exclusively from it.

The income from the sale of pala and pula, from grazing fees, and waternuts (singhara) grown in village ponds is estimated as follows:—

|                | Article. |     | Rupbas. | Oochain. | Biyana. | Bhusawar. |
|----------------|----------|-----|---------|----------|---------|-----------|
|                |          |     | Rs.     | Rs.      | Rs.     | Rs.       |
| Pala           | •••      |     | 140     | 508      | 382     | 1,993     |
| Pula           | •••      |     | 157     | 1,514    | 1,126   | 1,826     |
| Grazing fees   | •••      | ••• | 467     | 1,020    | 303     | )         |
| Sales of grass | •••      |     | 32      | 433      | 1,432   | 846       |
| Water-nuts     | ***      |     | 140     | 28       | 137     | 180       |
|                | Total    |     | 936     | 3,503    | 3,380   | 4,845     |

84. Among miseellaneous income that from sales of milk and ghi and in Biyana of wool is the most important.

Accurate information on the subject it is impossible to obtain but it is estimated to be as follows:—Rupbas, Rs. 30,000; Oochain, Rs. 40,000; Biyana, Rs. 75,000; Bhusawar, Rs. 50,000; of which probably from one-half to one-third goes to the landowners. This income will be sufficiently taxed by imposing a rate on new fallow and culturable waste.

Carts are fairly numerous in all tahsils and the owners make a considerable income from them by the carriage of stones from the quarries in Rupbas and Biyana to the railway at Bharatpur and Agra. The number of carts so employed and the average income is as follows:—

|         | Tahsil. |       | Number of carts. | 'Income. |
|---------|---------|-------|------------------|----------|
| •       | ,       |       |                  | Rs.      |
| Rupbas  | •••     | •••   | <br>80           | 5,000    |
| Oochain | •••     | •••   | <br>61           | 4,000    |
| Biyana  | •••     | •••   | <br>50           | 3,000    |
|         |         | Total | <br>191          | 12,000   |

In Paharpur and Mahalpur-Chura the zamindars get one anna for every cart-load of stone that leaves the quarries, and as the average is 5,000 carts in the year, the revenue from this source is over Rs. 300.

85. The following table shows the average exports and imports of each tahsil and the customs duty paid to the State as far as can be ascertained from Exports and imports. the records of the Customs Department :-

| 0110 10001 |                                    |                   |                |            |                 |              |                       | <del></del> |        | <del></del>       |              |              |
|------------|------------------------------------|-------------------|----------------|------------|-----------------|--------------|-----------------------|-------------|--------|-------------------|--------------|--------------|
| Tabsil.    | Detail.                            | Grain, rice, etc. | Cotton ginned. | Oll-sceds. | Country clotis. | Betel.       | Miscelfaucons (zíra). | Total,      | Ghi.   | Number of cattle. | Totai vaiue. | Gustom duty. |
|            |                                    |                   |                |            |                 |              |                       |             |        |                   | Bs.          | Rs.          |
|            |                                    | 5,441             |                | 2          | 31              |              | }                     |             |        | 378               |              | •••          |
| ſ          | Imports in mans Exports in mans    | 5,727             | 259            | 5,254      |                 | \            | \                     |             | 338    | 1,020             |              | 11,120       |
| Rupbas     | Value of exports                   | -                 |                |            | 0.300           |              | 1                     | 41,606      | 0,760  | 6,207             | 54,573       | ***          |
| ٠ ١        | in Rs,                             | 9,163             | 1,799          | .21,016    | 2,106           | "            |                       |             | •      | 90                |              |              |
| {          | Imports in mans                    | 29                | ***            | 3,149      | 25              |              |                       |             | 111    | 1,256             |              | 9,025        |
| Oochsin    | Exports in mans                    | 10,978            | 4,295          | 3,148      | 20              | "            |                       |             |        | - 040             | 00.000       |              |
| į          | Value of exports                   | 17,505            | 41,342         | 12,596     | 366             |              |                       | 81,158      | 2,220  | 5,249<br>29       | 89,626       |              |
| 4          | Imports in mans                    | 3,760             | 1              |            | 13              | •••          | ***                   | ***         |        | 5,304             | ***          | 14,549       |
| Ti         | Exports in mans                    | 5,539             | 6,721          | 563        | 193             |              | ***                   |             | 316    | 0,504             | •••          | 14,030       |
| Biyana     | Value of exports                   | 8,862             | 66,646         | 2,248      | 1 5,247         |              |                       | 94,537      | 6,320  | 13,245            | 1,14,102     |              |
|            | in Rs                              | 1                 | 3              | 20         | 62              |              |                       |             | 4      | 232               | •••          |              |
|            | Imports in mans<br>Exports in mans | 1                 | 7,995          | 1,527      | 633             | 35,130       | 2,917                 |             | 1,762  | 3,609             |              | 28,558       |
| Phusawar   | Value of exports in Rs.            | 1                 | 71,342         | 0,109      | 17,213          | 35,130       | 14,585                | 183,802     | 35,240 | 17,277            | 241,319      |              |
|            | <u> </u>                           | <u> </u>          | !              | 1          | <u>'</u>        | <del>'</del> |                       | ·           |        |                   |              |              |

The details are too numerous to be shown in full but the totals are correct. In the case of Rupbas, Oochain, and Biyana the figures represent the average of the four years, 1896-1899, three of which were years of scarcity in which there was little surplus available for export, and the volume of trade was therefore abnormally small. In Bhusawar the average is struck for the period 1891-99 which includes fat as well as lean years, and the exports average nearly 21 lakhs which is almost equal to that of the other three tahsils combined. The exports for the four tabsils have a value of over 5 lakhs per annum of which the most important in order of value are cotton, grain, oilseeds, ghi, zira, betel-leaf, livestock and country cloth. The chief imports are raw and refined sugar, rice, wheat, foreign piece goods. The customs duties for the whole tract average over Rs. 60,000 per annum, but though a source of considerable income to the State, they are a terrible drag on trade and harassing to the people. When the finances of the State recover sufficiently from their present depression the earliest opportunity should be taken to abolish export and import duties as has been done with such good results in the adjoining Alwar State.

86. The only towns of any importance Towns, Schools, Dispensaries. which are centres of local trade are-

|            |       | • |     |     |     | Population |
|------------|-------|---|-----|-----|-----|------------|
| Rupbas     | • • • | , | ••• | *** | ••• | 1,987      |
| Oochain    | •••   |   |     | ••• | *** | 1,971      |
| Biyana     | •••   |   | ••• | ••• | ••• | 8,085      |
| Bhusawar   | •••   |   |     | ••• | ••• | 7,419      |
| Weir       |       |   | ••• | ••• | ••• | 6,824      |
| Ballabgarh | •••   |   | ••• | ••• | 4** | 1,594      |
| 2000       |       |   |     |     |     |            |

An account of these will be found in Lala Jawala Sahai's history of Bharatpur. Rupbas, Biyana and Weir are places of historical and antiquarian interest. B-20

It has recently been proposed to break up the Oochain tabsil and transfer its villages to Rupbas, Biyana and Akhegarh with a sub-tabsil at Oochain, and also to transfer the headquarters of Bhusawar tabsil to the more suitable site at Weir, leaving a sub-tabsil at Bhusawar. These schemes have been sanctioned and will probably be carried out within the present year.

There are two dispensaries in Bhusawar, viz., at Bhusawar and Weir, and one at the headquarters of each of the other three tahsils. Now that the post of Agency Surgeon has been re-established, an improvement in the hitherto slack and defective medical and sanitary administration may be confidently anticipated.

Schools are maintained by the State at the headquarters of each tahsil, as well as four or five in the larger villages, but education has been much neglected, and while the State in 1897-98 spent nearly 6 lakhs or about one-fourth of its income on the army, the education budget was only Rs. 26,000 or about one per cent. of the income.

The State by consenting to the introduction of British post-offices has put the postal arrangements on a sound footing and all these tabsils are now efficiently served.

\* 87. The people of these talisils are on the whole peaceful, frugal and industrious; more simple and truthful and less litigious than the Mcos of the northern talisile so that the took of proparing a

tabsils, so that the task of preparing a correct record of rights was a comparatively easy one. Given normal seasons and a reasonable jama, these tabsils, having a good clean soil and a large area of cultivation protected by sweet wells or benefitted by the annual floods, should be the most prosperous in the State, but for the last 18 years while the northern tabsils under a fairer jama have prospered considerably, these have deteriorated. The standard of comfort is probably lower now than it was 25 years ago. The people are as a whole indifferently housed, poorly clad, and their food if sufficient is generally of the inferior grains. Owing to the abundance of cattle milk is plentiful, but meat is consumed only by the Gujars, Rajputs, and Musalmans, while ghi though produced in large quantities is like the butter of the Irish or Normandy farmers looked on as a means of paying the revenue or rent rather than as an article of domestic cousumption. The number of persons from the agricultural classes in the service of the State or of the British Government is not considerable as will appear from the following table:—

|                | Tabsil. | •        | Detail of service. |     | Number<br>of<br>persons. | Monthly income. | Total<br>annual<br>income. |
|----------------|---------|----------|--------------------|-----|--------------------------|-----------------|----------------------------|
| Rupbas         | •••     | {        | State              | ••• | 122                      | Rs. 979 }       | 18,600                     |
| U <sup>-</sup> |         | (        | British , ***      | 491 | 23                       | 571             |                            |
| Oochain        | •••     | {        | State              | ••• | 162                      | 1,349           | 24,084                     |
| 0 000          | •••     | (        | British            | ••• | 57                       | 658             | 21,002                     |
| Biyana         |         | <b>§</b> | Stato              | ••• | 213                      | 1,576           | 90.500                     |
| ביים מונים     | ***     | ··· {    | British            | ••• | 83                       | 983             | 30,708                     |

These figures do not include the Saivids of Paharsar in Oochain of whom many hold good positions in British territory and whose total income from service is said to be over Rs. 12,000 per month. The most prominent is Khan Bahadur Mir Aulad Hosain, C.I.E., late Settlement Officer in the Central Provinces.

### CHAPTER IV.

#### PRICES.

88. The methods for ascertaining bazar and harvest prices described in Enquiry interprices and prices assumed. the reports of the northern and central talsils also. Appendix C shows the average (1) bazar, (2) harvest prices at the chief trade centres in each talsil for (a) the 10 years 1880-81—1889-90 preceding the last settlement, (b) for the 9 years 1890-91—1898-99 preceding the new settlement. From these data, after comparison with the results arrived at in the rest of the State, I have fixed the following scale of commutation prices:—

| Tabsil.         | j   | Cotton, | Rojra. | Jawar and Maíze. | Moth Masina. | ти.  | Whent. | Barley. | Gram and Peas. | Oilseeds. | Bojar. | Gochni Gojra.     |
|-----------------|-----|---------|--------|------------------|--------------|------|--------|---------|----------------|-----------|--------|-------------------|
| Bupbas          | ••• | 11      | 26     | 30               | 25           | 11   | 21     | 30      | 30             | 14        | 30     | 26 <sup>t</sup> · |
| Oochain         | ••• | 11      | 26     | 30               | 25           | 11   | 21     | 30      | 30             | 14        | 30     | 26                |
| Biyana          | ••• | 11      | 27     | 30               | 26           | . 11 | 21     | 31      | 30             | 14        | 30     | 26                |
| Bhusawar        | ••• | 11      | 27     | 30               | 25           | 11   | 21     | 30      | 30             | 14        | 80     | 26                |
| Central Tabsils | ••• | 11      | 26     | 80               | 25           | . 11 | 21     | 29      | 30             | 14        | 30     |                   |

It will be seen that in Rupbas and Oochain which are connected by good roads with the markets at Bharatpur, Achnera, and Agra, the rate of prices is practically the same as for the central tabsils and for certain food grains is a little higher than for Biyana and Bhusawar which are not so closely in touch with large markets. Compared with the average harvest prices of the last few years, the rates assumed may appear at first sight unduly favourable to the zamindars, but that period has been on the whole one of short harvests and high prices, and it is essential therefore to allow a considerable margin to cover fluctuations. As I write, the price of food grains at Bharatpur varies from 10 seers per rupec for wheat to  $12\frac{1}{2}$  seers for the coarser grains, but it cannot be argued that these famine-inflated prices are beneficial to the Zamindars the great majority of whom in a year of scarcity like this have to live largely on their credit with the grain-dealer, from whom they borrowed at these excessive rates and whom they repay at the cheaper harvest rates.

89. Comparing the average prices of the period preceding the last with those No. rise in price since last settlement. Of the period preceding the present settlement, it appears that there has practically been no all-round enhancement, and similarly, if we compare the actual prices of recent years with those which are likely to prevail during the next twenty years, i.e., the term of the new settlement, we cannot reckon with confidence upon any increase. In fact, the probability is that with the return of more favourable seasons prices will in the future tend to fall below the average of the last few years. It follows therefore that we cannot look to an increase in prices as one of the factors for enhancing the demand.

# CHAPTER V. CROPS AND OUTTURN.

90. In para. 50 the fluctuations in cultivation from year to year since statistics of crops grown at and since last settlement.

1890-91 have been shown, and details of the crops grown in each year are given in Statement II. The following table extracted from Statement II shows—(1) the area of cultivation and crops and the

proportion of the chief crops to the total crops area at (a) last settlement, (b) by the average of 6 years 1892-93—1897-98, (c) for the year 1898-99 on the results of which the new settlement is based, (d) for the year just closed, 1899-1900:—

|              | ]             |              | AREA O               | F             |                      |          |         |          |          | PER           | CENT  | AGE C   | F DIF    | FERE    | NT CR   | ors.        |         |          |              |         |                        |
|--------------|---------------|--------------|----------------------|---------------|----------------------|----------|---------|----------|----------|---------------|-------|---------|----------|---------|---------|-------------|---------|----------|--------------|---------|------------------------|
|              |               |              | (                    | CROPS.        |                      |          |         |          | Кпари    | r.            |       |         |          |         |         | Rabi        |         |          |              |         | ısti.                  |
| Tahsil.      | Period,       | Cultivation, | Total.               | Kharif crops. | Rabi erops.          | Cotton.  | Bajra.  | Jawar.   | Masina.  | Gawar charri. | TII.  | Others. | Wheat.   | Barley. | Gram.   | Bejar.      | Gochni. | Gojra.   | Oifseeds.    | Others. | Percentage of dofasii. |
|              | 1891-93       | 51,545       | G1,015<br>Per cent.  | 26,301<br>41  | 37 <b>,744</b><br>59 | <br>G    | <br>21  | <br>5    | •••<br>2 | <br>5         | <br>1 | <br>1   |          | <br>8   |         |             |         |          | 2            |         | 24                     |
| tadqu        | 1692-93-97-98 | 62,532       | 79,793<br>Per cent.  | 45,171<br>57  | 31,622<br>43         | <br>G    | <br>30  | <b></b>  |          | <br>G         |       |         |          | •       | <br>10  | <br>8       |         | 2        | 2            |         | <br>28                 |
|              | 1898-99       | 83,019       | 89,919<br>Per cent.  | 60,427<br>78  | 19,521<br>22         | <br>5    | <br>43  | <br>0    | <br>8    |               |       |         |          | <br>G   | 4       | <br>1       |         | <br>1    | <br>2        |         |                        |
| ļ            | 1899-1900     | 81,230       | 87,697               | •••           |                      |          | •••     | •••      |          | •••           |       |         |          |         |         |             |         |          | :            |         | 7                      |
| ſ            | 1891-93       | 102,991 {    | 131,931<br>Per cent. | 53,385<br>41  | 78,546<br>59         | 4        | <br>13  | <br>4    | <br>1    | <br>18        |       |         | <br>10   | <br>11  | ,<br>22 | <br>11      | <br>1   |          | 2            | <br>2   | <br>28                 |
| ochain       | 1892-93-97-99 | 99,805 {     | 114,259<br>Per cent. | 60,059<br>53  | 54,171<br>47         | <br>5    | <br>20  | <br>7    | 2        | <br>16        | 2     | <br>1   | <br>9    | <br>12  | <br>10  | <br>9       | <br>2   |          | 2            | <br>3   | ,<br>15                |
|              | 1893 99       | 123,593      | 133,140<br>Per cent. | 82,220<br>62  | 50,920<br>38         |          | <br>28  | <br>7    | <br>12   | <br>G         | <br>4 | <br>1   | <br>8    | <br>11  |         | <br>6       | 2       | <br>2    | <br>2        |         | <br>B                  |
| Į.           | 1899-1900     | 115,361      | 123,390              |               |                      |          |         | •••      | •••      | •••           |       |         |          |         |         |             |         |          | •••          | •••     | 7.                     |
| ſ            | 1891-92       | 134,561      | 168,911<br>Per cent. | C8,218<br>59  | 68,693<br>41         |          | <br>21  | <br>4    | <br>11   | 11            |       | 2       | <br>10   | 10      | <br>9   | - <u>:-</u> | 9       | <u> </u> |              | <br>3   | <br>21                 |
| Biyana ₹     | 1692-93-97-93 | 127,657 {    | 153,207<br>Per cent. | 93,289<br>61  | 51,918<br>36         | <br>10   | <br>25  | •••<br>5 | •<br>21  | <br>2         |       |         | <br>9    | 11      | 7       |             | <br>5   |          |              | <br>4   | 20                     |
|              | 1696-99       | 112,000      | 160,343<br>Per cent. | 117,828<br>73 | 42,515<br>27         | <br>9    | <br>31  | <br>6    | <br>19   | <br>5         | <br>2 | <br>1   | <br>7    | <br>10  | 3       |             | <br>2   |          |              | <br>4   | <br>13                 |
| l            | 1879-1930     | 142,042      | 159,676              | ***           |                      | •••      | <i></i> | •••      | •••      |               |       |         |          | ***     |         |             |         | •••      | •••          | ***     | 13                     |
| į            | 1891-93       | 160,506      | 178,709<br>Per cent. | 111,951<br>63 | 69,816<br>37         | 9        | <br>11  | <br>16   | 2        | 24            |       |         | <br>8    | <br>12  | <br>12  | 2           | 1       | : [      |              | 2       |                        |
| Bbusawar <   | 1602-93-97-98 | 162,783 {    | 177,801<br>Per cent. | 120,232<br>68 | 57,632<br>82         | ***<br>8 | <br>16  | <br>19   |          | 20            | 1     | ··· 1   | 7        | <br>12  | 8       | 1           |         | •••      |              | 4       | •••<br>9               |
|              | 1803-09       | 170,378      | 170,596<br>Per cent. | 132,177<br>71 | 47,419<br>26         | <br>5    | <br>27  | <br>16   | <br>18   | <br>5         | <br>2 |         | •••<br>5 | 11      | <br>5   |             | <br>1   |          |              | 4       | <b>5</b>               |
| i            | 1699-1000     | 171,882      | 150,697              |               |                      |          |         | **       | •••      |               |       | •••     |          |         | ".      |             |         |          |              |         | 5                      |
| •            | 1691-02       | 19,740 {     | 21,622<br>Per cent.  | 15,499<br>72  | 6,123<br>28          | 17       | 11      | <br>3    | <br>1    | 49            |       |         | <br>9    | 11      | ·       |             |         |          | 3            | `       | <br>9                  |
| Dallabgarh - | 1602-03-07-08 | 19,552       | Per cent.            | 15,005<br>72  | 6,165<br>29          | 15       | 18      | <br>4    | <br>4    | 30            | <br>1 |         | <br>7    | 11      | 4       |             |         |          |              |         | <br>13                 |
|              | 1608-09       | 1,           | 23,195<br>Per cent.  | 18,292<br>79  | 4,903                | 12       | 28      | <br>3    | <br>20   |               |       |         | <br>5    | 10      |         |             |         |          | <sub>C</sub> |         | <br>11                 |
|              | 1809-1900     | 21,125       | 22,972               |               |                      |          |         |          |          |               |       |         |          |         |         |             |         |          |              |         | 9                      |

The chief deductions to be drawn from these figures are (1) the steady increase in cultivation which was not arrested except in Oochain even by last year's drought as the rains of 1899 were ample for sowings though insufficient to mature the crop, (2) a steady decrease in double-cropping owing to the increase in barani cultivation which is rarely double-cropped and the failure of water in the wells, (3) a very great decrease in the rabi area both absolutely and relatively to the kharif, and a corresponding increase in the kharif. This is explained by the failure of the autumn rains essential for rabi barani sowings, and the deficiency of well water. As these causes are only temporary, so the result may be regarded in the same light, and this must be borne in mind in noting the fluctuations in individual crops which will now be considered.

91. The area under cotton has increased in Rupbas, remained almost stateonary in Oochain and Biyana, and fallen off in Bhusawar. A large proportion of the cotton is barani, the cultivation of which depends on rains in May and June, and these have not been favourable in recent years. Moreover, the high prices of food grains have stimulated their growth at the expense of cotton, but the enormous rise in the price of cotton last year will, if maintained, soon counteract this tendency. The proportion of this crop to the total area varies from 4 per cent in Oochain to 12 per cent. in Ballabgarh. It is the chief revenue-paying crop in the kharif as the exports (para. 85) show.

Bajra, on the other hand, is the staple kharif food crop. Its cultivation has increased enormously in recent years. The area is now double that of last settlement, and it covers from 28 to 43 per cent. of the total crop area in the different tahsils the clean light soil of which is very well adapted to its growth. A small proportion of it is sown on chahi lands, and if rains are deficient, this gets a few waterings. Bajra, however, withstands a drought better than jawar and ripens quicker, so that it often makes way for a second crop in the rabi.

The cultivation of jawar has doubled in Oochain, more than doubled in Rupbas, increased considerably in Biyana and remained stationary in Bhusawar. The proportion varies from 3 per cent. in Ballabgarh the very light soil of which is quite unsuited to it, to 16 per cent. in Bhusawar where it is very largely grown in Weir and the Trans-Banganga villages. It is also grown with success in the Wal of Rupbas, the Jatmai of Oochain, and the central portion of the Biyana Kather where the soil is stiff. It is even more exclusively a barani crop than baira and is rarely grown on the well-lands.

The area under mung, moth, chavila and the various combinations of these crops with jawar, bajra, etc., (both forms are commonly called masına) has increased enormously on paper. Part of this increase is merely nominal, as at last settlement when these pulses were grown with cotton or the millets—jawar and bajra—they were classed under those heads or included with gawar-charri, and only the area grown separately was shown as masina. But there has been an undoubted genuine increase in the area owing to the extension of barani cultivation especially in the lighter soils which, when first broken up, are generally put under masina. The area now ranges from 6 per cent. of the total in Rupbas to 29 per cent. in Ballabgarh. The crop is rarely if ever an irrigated one. The outturn of grain is generally poor, as the crop is very sensitive to drought or high winds, and is also damaged by heavy rains but even when the grain fails the fodder is valuable.

The chief kharif fodder crop is however gawar-charri. The area shows an extraordinary falling off in all tahsils but Rupbas, the reason being that at last settlement masina was generally included with it, and partly perhaps that the people now prefer to sow crops which furnish grain as well as fodder. In dry years a good deal of the charri is grown on the wells in the hot months so as to furnish fodder for the well and plough cattle till the rains have set in.

The area under til shows a very marked increase in all tahsils, but above all in Rupbas and Oochain. One explanation is that the sandy land along the former channels of the Banganga east of Farsu is peculiarly suited for this crop which however could not be sown with confidence while the land was exposed to inundations which it no longer is. In this locality I have met with crops of til surpassing any that I have ever seen. The crop requires only a moderate rainfall and is a very paying one. Hence its cultivation is yearly becoming more popular. The area under it varies from 2 per cent. of the whole in Bhusawar to no less than 10 per cent. in Rupbas.

Other kharif crops, such as hemp, tobacco, sugarcane, have increased in all talsils but Biyana, but the area under them in no case exceeds one per cent.

Sugarcane in small quantities is grown over all these talsils. In Rudawal the area was considerable, but the wells in that tract have suffered very severely from the drought and cane cultivation has in consequence fallen off. Irriga-

tion from the Bareta band will give a stimulus to it in villages which are commanded by the ducts.

92. The rabi crop area as compared with last settlement has fallen off by from 30 to 50 per cent. for reasons already explained, and these reasons apply also to individual crops.

The area under wheat is now from 60 to 25 per cent. less than 10 years ago, and the reason is of course the reduced irrigating power of the wells. The area varies from 4 per cent. of the whole in Rupbas to 8 per cent. in Ocehain. Wheat requires more waterings than barley, ripens later and is therefore more liable to damage from high winds, rust (kungi), smut (kangiari), and white ants. The outturn too is less than that of barley, and as the latter is the general food grain in the summer months, its cultivation is more popular.

The area under barley is practically unchanged except in Bhusawar where it shows a slight contraction, but the proportion to the total area has fallen off in all tabsils, and now varies from 6 per ecut. in Rupbas to 10 per cent. in Cochain; like wheat it is generally manured and sown either on wells or on flooded lands.

Gram was formerly the staple barani crop in the rabi, and at last settlement occupied from 12 to 22 per cent. of the crop area in each tabsil. Its cultivation has steadily declined since 1895 owing to the frequent failure of autumn and winter rains, and in 1898-99 the area under it was only from 3 to 4 per cent. It is grown on the superior barani and on the inundated lands and the failure of the bands to fill in recent years is also accountable for the falling-off.

The above remarks reveal a lamentable contraction in the chief rahi crops irrigated and unirrigated. If we take account of the various combinations of wheat, barley, and gram—bejar, gochni, gojra—sown as mixed crops, the decrease is even more marked. At last settlement these together made up 19 per cent. of the crops in Rupbas, 12 per cent. in Oochain, 9 per cent. in Biyana, and 3 per cent. in Bhusawar, whereas this proportion is now reduced to 2 per cent in Rupbas, 10 per cent. in Oochain (where the development of irrigation has increased the area), 2 per cent. in Biyana, and 1 per cent. in Bhusawar. Of these crops bejar (barley and gram) is grown on barani, sairaba or khatili lands, while gochni (wheat and gram) and gojra (wheat and barley) are confined to wells or the best inundated soils.

The area of rabi oilseeds (sarson and tara-mira), though relatively small, shows a steady increase in all tahsils, but the proportion to the whole area nowhere exceeds 2 per cent.

Other rabi crops cover 3 per cent. of the area in Oochain and 4 per cent. in the other tahsils. The most important is zira or eumin seed, which comes to from 2 to 3 per cent. of the crop area in all tahsils, leaving only 1 to 2 per cent for miscellaneous crops.

Miscellaneous kharif and rabi crops.

93. The detail of miscellaneous crops in kharif and rabi is in bighas:—

|             | •        |         | _        | R     | HARIF       |          |         | Rábi.      |        |             |          |       |               |       | ,      |
|-------------|----------|---------|----------|-------|-------------|----------|---------|------------|--------|-------------|----------|-------|---------------|-------|--------|
| T           | Tahsils. |         | Tohacco. | Cano. | Vegetables. | Carrots. | Others. | Товассо.   | Poppy. | Vegetables. | Carrots. | Pens. | Miscollancous | Zira. | Totul. |
| Rupbas      | •        | •••     | 162      | S5    | 106         | . 2      | 479     | <b>6</b> 5 |        | E3          | 91       | 53    | 1,089         |       | 4,058  |
| Oochain     | •••      | <i></i> | 41       | 160   | 259         | 19       | 587     | 250        | ***    | 331         | 76       | 675   | 216           | 1,730 | 4,344  |
| Biyana      | •••      | •••     | 53       | 163   | 203         | 19       | 936     | 214        | ນ      | 418         | 185      | 402   | 280           | 4,083 | 7,120  |
| Charawar    |          | ***     | 65       | 5     | 235         | 532      | 972     | 529        | 38     | 263         | 416      | ***   | 1,032         |       |        |
| Ballabgarh' | •••      | •••     | 2        |       | 21          | 5        | 213     | 50         | 107    | 48          | 161      | ***   |               | 620   | 1,472  |

Of these crops the most valuable are tobacco, cane, and poppy. In estimating the value of the produce I have, after local enquiry, put their value per bigha as follows:—

|            |     |     |     |     |     | Rs. Rs.             |
|------------|-----|-----|-----|-----|-----|---------------------|
| Tobacco    | ••• | ••• | ••• | ••• | ••• | 30                  |
| Sugarcano  | ••• | ••• | *** | *** | ••• | 20 and in Biyana 30 |
| Poppy      | ••• | ••• | ••• | *** | ••• | 20                  |
| Zira       | ••  | ••• | *** | ••• | ••• | 15 and in Rupbas 12 |
| Vegetables | *** | *** | •*• | ••• | ••• | 12                  |
| Others     | *** | *** | 144 | *** | ••• | 10                  |

These rates are almost the same as for the central tahsils.

94. As an aid to determining the average outturn of the remaining crops, produce experiments have been steadily made in these tabsils since 1897-98 by the tabsil and settlement establishment under the supervision of Mr. Pyster, Assistant Settlement Commissioner, who personally carried out a considerable number. During my cold weather tour I had no less than 58 experiments made under my own observation, i.e., I selected the field, left a reliable official to have the usual area (\frac{1}{40}\) of an acre) cut and brought into my camp where a sample of the grain was kept to be weighed when dried. The total number of experiments carried out in each tabsil was—

| ٠,       |         |             |     |         |        |        |            |       |         |        |        |         |                  |        |               |         |        |
|----------|---------|-------------|-----|---------|--------|--------|------------|-------|---------|--------|--------|---------|------------------|--------|---------------|---------|--------|
|          | Tabsii. |             |     | Cotton. | Jawde. | Pajra. | . Til.     | Cans. | Nasina. | Malzo. | Wheat. | Barley. | Grain.           | Bejar. | Gochni Gojra. | Sarson. | Total. |
| <b>b</b> |         |             |     |         |        | **     |            |       |         |        | -      | 11      | ( <sup>1</sup> ) |        |               |         |        |
| Rupbas   | ***     | 491         | *** | ""_     | 18     | 21     | 19         | •••   | "       | ***    | 33     | 39      | 8                | 10     | 3             | 11      | 170    |
| Cochain  | 41.5    | 443         | *** | 5       | , 15   | 29     | 8          | 2     | "       | •••    | 31     | GS      | 14               | 13     | 2             | 13      | 201    |
| Biyana   | ***     | 144         | *** | 3       | 5      | 3      | ***        | 1     | •••     | •••    | 24     | 32      | 5                | •••    | ***           | δ       | 77     |
| Bhusawar | ***     | •••         | ••• | 10      | 14     | 61     | 3          |       | 10      | 3      | 43     | £G      | 15               | 1      | 2             | 8       | 211    |
| Te       | izi     | <i>,</i> ,, | •"  | 17      | 63     | 100    | <b>2</b> 9 | 3     | 10      | 3      | 139    | 195     | 43               | 21     | 7             | 85      | 680    |

Thus 660 experiments in all were made during the last three years. The average results of these experiments for each class of soil are shown in Appendix B. Of the 6 harvests under observation, only two, viz., 1897-98, were normal in character, and the average outturn therefore, though based on so large a number of actual experiments, cannot be blindly assumed as representative of the actual outturn over a series of years. Fortunately each year has increased the data for framing a reliable estimate, and we are now in a position to fix average rates of yield with more confidence than was possible when the operations began.

95. After careful consideration of the results obtained by actual experiments, enquiry from Zamindars and tahsil officials, discussion with the Deputy Collectors and comparison with adjoining tahsils in Bharatpur, Alwar, and Agra, I have assumed the following rates of yield per bigha for the different classes of soil or rather for the different classes of crops—for the outturn depends chiefly not on the classification of the soil but on the conditions under which the crop is actually grown, i.e., on the absence or presence of natural or artificial irrigation.

|   | ·                              |                  |                    | Kna            | ery.                  |                             |                            | Babi.                |                            |                      |                               |                     |                   |                  |      |
|---|--------------------------------|------------------|--------------------|----------------|-----------------------|-----------------------------|----------------------------|----------------------|----------------------------|----------------------|-------------------------------|---------------------|-------------------|------------------|------|
| Boil≢.  | Tahril.                        | Cotion.          | Bajra.             | Jawar.         | Maize.                | Masina.                     | Til.                       | Wheat                | Barley.                    | Gram<br>and<br>peas. | Bejat.                        | Gnehni.             | Gojta,            | Sarkon,          | Bana |
| Chahi-hal {   | Rupbss Oochain Biyana Bhasawar | 1 21             | 5<br>5<br>5        | 4              | 4<br>4<br>6           | 21<br>21<br>23<br>21        | 2}<br>2}<br>2}<br>2}       | 71<br>71<br>71<br>71 | 8<br>8<br>8<br>8           | 7 7 7                | 8}<br>6}<br>8;                | 71<br>71<br>8<br>71 | 8<br>8<br>8       | 2 2 2 3          | ,    |
| Chahi-Sahiks {  | Ruphns Oochain Biyana Bhusawar | 2 2              | 4 4                | 4              | 4                     | 2}<br>2}<br>2}<br>21<br>23  | 2<br>2<br>2<br>2           | 4)<br>4)<br>4)<br>4) | 41<br>41<br>41<br>43       | 3<br>3<br>3<br>3     | 3<br>3<br>3<br>               | 3                   | 3<br>3<br>        | 1 1 1 1          |      |
| Chahi-Sairaha-hol                                     | Ruphas Cochain Biyana Bhosawar | 31               | 5<br>5<br>5        | <br>4<br><br>4 | <br>4<br>6<br>        | <br>2  <br>2  <br>2         | <br>2}<br><br>2}           | . 8<br>5;<br>8;<br>8 | 9<br>9 <u>1</u><br>11<br>9 | 7<br>7<br>71<br>7    | 8 <u>}</u><br>9<br>8 <u>}</u> | 8<br>8<br>8<br>8    | 9<br>5<br>9       | 2<br>2<br>2<br>2 |      |
| Sairaba-hal with Chahl-<br>Sahita and Sairaba<br>hal, | Ruphae Oochain Diyana Bhusawar | . 21             | 4 4 4              | 3<br>3<br>3    | 3<br>8<br>3           | 21<br>21<br>21<br>21        | 2}<br>2}<br>2}<br>2}<br>2} | 43<br>41<br>41<br>43 | 5<br>5<br>5                | 5<br>5<br>5          | 5<br>5<br>5                   | 5<br>5<br>8<br>5    | 5<br>5<br>5       | 2<br>2<br>2<br>2 |      |
| Khatill   | Oochain Biyana                 |                  | 414                | <br>           | for Sa                | <br><br>i raba.             |                            | 4}<br>41<br>6        | 5<br>5<br>8                | <br>5<br>            | 5<br>7                        | ***                 | 5<br>7<br>        | 2<br>2<br>2      |      |
| Sairaba-Sahika  | Oochain<br>Biyana              | 2<br>2<br>2<br>2 | 3<br>3<br>4}<br>2} | 1              | 3<br>3<br>3<br>21     | 21<br>21<br>21              | 2<br>2<br>2<br>2           | 4)                   | 4                          | 3<br>3}<br>3}<br>3   | 3 3                           | 4<br><br>3<br>      | 933<br>001<br>011 | 2<br>2<br>2      |      |
| Earishi   | Oochain                        | 2<br>2           | 21<br>3<br>3       | 3<br>3<br>Same | 3<br>3<br>9<br>ns Gai | 2}<br>2}<br>23<br>r aba-sab | 1                          | 31<br>31<br>4        | 4                          | 3<br>31<br>81        | 3<br><br>3<br>                | ::                  | 3                 | 2<br>3<br>2<br>  |      |
| Bushi   | Oochain                        | 2<br>2<br>2<br>2 | 21 21 2            | 3              | 3                     | 2}<br>2}                    | · 2 2 2 2 2                | 3                    | 4 4 6                      | 3<br>5<br>3          | 3<br>3<br>3                   | 3<br>3<br>8<br>     | 3 8               | . 11<br>11<br>11 |      |
| Ebur-Darani   | Rupbas Oochain Biyana Bhusanar | 1                | 1                  | 2              | 2)<br>2)              | 1 <del>1</del>              | 2<br>2<br>2<br>1           | 2<br>3<br>11         | 3                          | 2<br>3<br>2<br>      | 2<br><br>11                   |                     | 000<br>000<br>000 | 1<br>***<br>1    | ·    |

As regards chahi and chahi-sairaba, there is little difference in the outturn, but that of Biyana and Bhusawar is slightly superior to the other two tahsils especially as regards the rabi crops, and a higher rate of yield has in consequence been brought out by the actual experiments and is now assumed. For chahi-sabika the yield is practically the same in all tahsils. For sairaba-hal too there is little difference in the yield except in the case of jawar which is better in Bhusawar than elsewhere. Similarly the khatili land

Thus, if the figures can be relied upon, Rs. 15,422 arrears prior to 1890, have been remitted, and arrears since 1890 amount to Rs. 13,605, of which the sums due for 'Dauran Mokaddami' (i.e., pending sanction to the succession the State claimed the income) viz, Re. 1 in Ruphas, Rs. 32 in Oochain, Rs. 40 in Biyana and Rs. 468 in Bhusawar, should certainly be remitted. Arrangements for the realisation of the rest will be made after reference to the Political Agent and Council.

133. Besides the Hakh Mokaddami allowed by the State as a percentage on Nankar and Chhut allowances in the jama, the lambardars and in some Khalsa villages.

cases the whole proprietary body in certain villages receive small grants from the State known as Nankar and Chhut, i.e., a reduction on the revenue. The number of estates and the total amount so allotted in each tahsil is as follows:—

| Detail            | Bupbas. | Oschain.  | Biyana.   | Bhusawar.   | Total.       | Total for<br>the State. |
|-------------------|---------|-----------|-----------|-------------|--------------|-------------------------|
| Number of estates |         | 50<br>834 | 22<br>766 | . 34<br>947 | 107<br>2,577 | . 169<br>4,874          |

- In the southern tahsils Rs. 2,577 is paid to 107 villages and in the whole State Rs. 4,874 to 169 villages, and this does not include about Rs. 1,000 paid to Chaudhris in the northern tahsils.

Originally these payments were probably a form of remuneration to influential zamindars for helping to collect the revenue; in others an addition to the Hakk Mokaddami. The original intentions have now been lost sight of and the State gets no return for this large expenditure. In some cases it takes the form of a percentage on the revenue, but usually it is a fixed sum. In some villages only the lambardars receive it; in others it is shared by all the owners.

134. As suggested in paragraph 181 of my report on the northern tahsils, I Proposals for the appointment of think this sum, which is now frittered away among several hundred persons, none of whom derives any substantial benefit from it, might be utilised to remunerate Chaudhris to be appointed in each tahsil in the same way as Zaildars in the Punjab. I therefore propose that in future these payments to bodies of lambardars or whole villages should cease, unless where there is a very special reason for retaining them, and that in their stead the State allow 2 per cent. of the jama in each tahsil (excluding Gopalgarh and Pahari where there are already well-paid Chaudhris) to remunerate Chaudhris, who will be appointed from among the most prominent zamindars with due regard to tribe and local influence at the close of the settlement and whose duties will be similar to those of zaildars in the Punjab.

The State would gain financially by this proposal as 2 per cent. on the new revenue excluding Gopalgarh and Pahari, would be about Rs. 3,300, while the present expenditure is Rs. 4,874. From the fund so formed inams averaging Rs. 100 per annum could be given to from two to four selected men in each tahsil according to its size. The gain to the administration—revenue, police, etc.,—if good men are selected and the system properly worked, will be considerable. What is at present most needed in Bharatpur is to raise the status of the zamindars, and promote the growth of the sturdy yeoman class, which is found so useful in the Panjab as an intermediary between the Government and the people. There is abundance of good material in the State, but the policy in the past has been to regard the zamindar as a cow to be milched dry, or as a sponge to be squeezed, and no steps have ever been taken to raise their position. The result is that nothing is done by the agricultural body to assist the administration. The tahsil chuprassi and the Patwari have to be requisitioned for

the most ordinary duties and the collection of the revenue is left almost entirely in their hands.

- Progress made in other branches of the settlement, viz., the assessthe settlement. branches of ment and cognate matters. In Bharatpur, however, which has hitherto had no record of rights, the preparation of a correct record and the organisation of an establishment to maintain it are of primary importance. These objects have been steadily kept in view since the beginning of the settlement, and the progress made has been noted in my annual reports on the working of the settlement to the Political Agent and Council. The matter will be dealt with more fully in the Final Report which I hope to write before closing the operations, but I may here note briefly some of the chief measures carried out or under consideration.
- (1) All questions connected with proprietary and tenancy rights, revenue liability, shares, rights in wells and irrigation, claims of deserting and absconded owners to recover, disputes between mafidars and zamindars, have now been enquired into and finally disposed of, and the results have been incorporated in the new record.

To illustrate the labour involved in even one branch, I need merely state that up to September 1899 over 16,000 cases relating to tenant right were disposed of by the Circle Officers, while 2,044 cases relating to proprietary right and 3,739 other cases have been enquired into and adjudicated upon by them. My own work, apart from village inspection and assessment, consisted of 163 judicial and 13 mass cases, 99 appeals and 4,139 miscellaneous cases.

- (2) The general enquiry into revenue free tenures is being made for the first time under rules framed by the Political Agent and Council. Up to date 427 cases have been investigated, but pressure of other work has retarded their disposal.
- (3) The Patwari Agency has been thoroughly re-organised; the number which was excessive has been reduced by the weeding out of old and inefficientmen; the circles re-arranged and the pay improved. Formerly the average pay was Rs. 7-8-0 per month. Four grades have now been formed, the pay being Rs. 8, 9, 10 and 11 per month, which will compare favourably with the pay in any Native State and enable us to secure better men.
- (4) The Kanungo Agency has at the same time been re-organised. Formerly there was one Field and one Office Kanungo in each tabili and their pay averaged Rs. 10 only per month. The scale now fixed is one Office Kanungo—and in Bharatpur and Dig two—at Rs. 20 per month and two Field Kanungos paid Rs. 20 and Rs. 25. This reform has stimulated the old Kanungos to qualify themselves and all have now undergone a thorough course of training in the settlement; while for the new posts the most capable men have been selected from the settlement and in a few cases Patwaris have been promoted.
- (5) The Naib Tahsildars throughout the State are being put through a six mouths course of training in settlement, half at a time.
- (6) To strengthen the revenue supervising agency it has been proposed that the services of M. Hira Singh, Settlement Deputy Collector, be lent to the State for five years as Revenue Deputy Collector.
- General remarks and cost of the settlement upto date generally I have received the hearty
  tlement upto date co-operation of the State Council, and, in
  particular of Rai Bahadar M. Solian Lal to whose initiative many of them are
  due, and whose knowledge of and interest in settlement matters have
  immensely facilitated the prompt disposal of the many questions in
  which reference to the Council was necessary. I have to thank the Political
  Agent, Lieut. Col Herbert, who has been in charge of the Bharatpur administration since 1897, for the cordial support he has afforded to me throughout, which has enabled me to carry on the work without friction and without

exciting local opposition. Given a good start, i.e., favourable harvests for a few years, to enable the people to recover, and a vigilant and sympathetic revenue administration in the future, I am hopeful that the settlement will mark the return of an era of prosperity to the State and the people; not because I claim any special merit for the settlement itself, which has been rather roughly and hurriedly carried out, but because any settlement which secures a fair and well-distributed assessment and an accurate record of rights must be an immense improvement on the chaos which has hitherto reigned.

The cost of the settlement operations up to 30th June 1900 has been Rs. 2,44,626-10-9, and the operations will be completed at a cost of less than  $3\frac{1}{4}$  lakhs, which, considering the size of the State and the revenue involved, nearly 24 lakhs, is not excessive.

The statements and appendices attached to this report are in the same forms as those submitted with previous reports (see paragraph 430 of report in central tabilis), 1898-99 taking the 1897-98 as the year of attestation. For all practical purposes the summary given in the text is sufficient.

Points on which orders are required.

137. The main points on which orders are now required are—

- (1) The proposal as to the remission and collection of the arrears since 1890 (paragraphs 52 and 59A).
  - (2) The abolition of miscellaneous cesses (110).
- (3) The principles laid down for the assessment of sairaba land generally (116) and their application to these tabsils (117).
  - (4) The rates and assessment now proposed (125 and 121).
- (5) Subsidiary matters connected with the assessment, viz, the taxation of mango and other fruit trees (80), the arrangements for the leasing of culturable waste (74) and for simplifying and reducing the taxation on the betel leaf (79).
- (6) The fixing of the term of settlement (121), rates of malba (112) as in the northern tabils, and the alteration of the dates of the revenue instalments (127).
- (7) The abolition of the Nankar and Chhut payments and the creation of a fund for the remuneration of Chaudhris to be appointed in each tahsil (134).
- 138. This report completes the proposals for the reassessment of Bharatpur, and hefore closing it I must put on record Notice of Officers and conclusion. the valuable aid I have received through all stages of the work from my three Assistants. Munshi Hira Singh has been in direct charge of the operations in five out of the present eleven tahsils. thorough knowledge of the Punjab revenue system enabled him to readily grasp local conditions in Bharatpur. I have throughout relied much on his judgment and advice, and have never found them at fault. The credit of the speedy and I hope satisfactory termination of the settlement is largely due Munshi Mahmud Hosain, the State Deputy Collector, in addition to his own duties, was in charge of the settlement work of three tahsils, and his previous experience as a settlement official enabled him to bring it to a satisfactory issue. Mr. A. H. Pyster is an officer whose services my predecessor obtained from the Bengal Survey. Although he had little previous knowledge of assessment, he has by hard work and perseverance got a good grasp of the subject and has furnished me with a very useful report on the three tabsils in his charge. He has received much help from his Assistant, Lala Gurdial, an official borrowed from the Mooltan Settlement who has shown exceptional capacity and power of work. Of the Sadar Munsarims in these tahsils, Amrik Rai and Gurdit Singh have hoth done well.

In order to wind up the operations during the coming cold weather it is essential that the assessment should be announced in August so as to be distri-

buted and brought into working from the coming *kharif* harvest. I hope therefore I shall not be considered importunate if I ask the favour of very early orders on this report. Lengthy though it is, the proposals are on all fours with those already sanctioned for the northern and central tahsils. No new principle is involved, and it will therefore be possible, I hope, to obtain orders within the time desired.

SIMLA; (Sd.) M. F. O'DWYER, I.C.S.,

The 12th July 1900. Settlement Commissioner, Alwar-Bharatpur.

TAIISIE RUPBAS. No. 1 --- Area Statement--- contd.

TAHSIL RUPBAS.

No. 1.- Area Statement.

| 12 |               |                  | ,lajoT                         | \$21°C1  | 16,696              |          | 114'8     | 15,628                |
|----|---------------|------------------|--------------------------------|--|---------------------|----------|-----------|-----------------------|
| #  |               |                  | Kbatille                       | 1  | 672                 | 1        | 273       | 403                   |
| 23 | Ватвава.      |                  | Barishī.                       | ŧ  | 250                 | =        | 260       | 108                   |
| 23 | _             |                  | Former                         | ŧ  | 11,401              | :        | 11,401    | 7,133                 |
| 21 |               |                  | Tresent.                       | 13,126   | 6,073               | 6,162    | :         | 7,793                 |
| 20 | 27.           |                  | Former.                        | :  | :                   | :        | :         | :                     |
| 10 | Nanas.        |                  | Present.                       | :  | <b>:</b>            | :        | :         | <b>*</b> :            |
| 18 |               | ·                | Chabl Kahrl.                   | :  | <u> </u>            | i        | i i       | :                     |
| 17 | -             | esent.           | tą edatina ban idado yratogweT | ŧ  | 911                 | :        | 110       | 1,093                 |
| 10 | Сант Вагяава, |                  | Chabi former, salraba present, | 3  | 190                 | 3        | 001       | . 140                 |
| 18 | ฮิ            |                  | *fresent*                      | :  | 1,255               | :        | 1,265     | 2,603                 |
| и  |               |                  | Temporary present.             | :  | 1,530               | :        | 1,636     | 2,333                 |
| 13 | CILAIII,      | исит.            | Former.                        | 9,5687   | 4,691               | :        | 1,034     | 3,550                 |
| 13 |               | Равилалят        | Present                        | 11,727   | 6,7.49              | 4,079    | ŧ         | 0,666                 |
| 11 |               |                  | woller told.                   | 89,300   | 16,701              | 33,500   | <br>      | 11,470                |
| 10 |               | ١.               | other unnesceed Blate properly | :  | 369                 | <b>1</b> | 380       | 036                   |
| 0  |               |                  | Total ancalitivated.           | 99<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80 | 67,483              |          | . 028     | 62,768                |
| 8  |               |                  | Culturablo meeto.              | 66,683   | 045'29              | į ·      | 1,551     | 62,027                |
| 4  |               | Олериловарки.    | errod1O                        | 11,694   | 9,273               | 1,821    | ŧ         | 09'0                  |
| 6  | UNGULTURABLE. | Dacue            | Hills.                         | 12,961   | 13,769              | ŧ        | 500       | 13,760                |
| 9  | UNCULT        | STATH PRESERVES. | .lasg                          | ;  | i                   | ŧ        | :         | ŧ                     |
| 4  |               | STATE P          | Bund.                          | 7,611  | 7,001               | 10       | ,         | 7,001                 |
|    |               |                  | -sotal feloT                   | 3,77,700   | 1,76,623            | 1,678    | :         | 1,76,623              |
|    | <u> </u>      |                  |                                | :  | 98                  | Ē        | :         | 1909                  |
| -  |               |                  | Period.                        | Last setlicment  | Jambat 1056=1609.90 | ,100nco. | Incresses | 0001-0031=0301 promps |
| -  |               |                  | ן<br>חינדי, ני                 | ,2   | , s                 | ******** |           | <del>S</del>          |

| tatement-contd. |
|-----------------|
| I drea          |
| Ş.              |

|          |                |          |                 |                   | · · · · · · · · · · · · · · · · · · · |                       |  |        |                       |  |  |  |  |  |
|----------|----------------|----------|-----------------|-------------------|---------------------------------------|-----------------------|--|--------|-----------------------|--|--|--|--|--|
|          |                |          | <u>16</u>       |                   |                                       | •                     |  | •      | •                     |  |  |  |  |  |
| 69       |                |          | Rouldes.        |                   |                                       |                       |  | •      |                       |  |  |  |  |  |
| *        |                |          |                 | oten 10           | 6                                     | e e                   | :  | 1 :    | :                     |  |  |  |  |  |
| 46       |                | Кпам,    |                 | To vater.         | 62                                    | 2                     | i  | . •    | ::                    |  |  |  |  |  |
| â        | DEPTH.         | xnx.     | ,               | Of water,         | 141                                   | a                     | \$   |        |                       |  |  |  |  |  |
| 44       |                | Мавоивт. |                 | .193av oT         | =                                     | ន                     |  | 6      | :                     |  |  |  |  |  |
| \$       | KLIB.          |          |                 | -tranogmaT        |                                       | 25                    | :  | 22     | 8                     |  |  |  |  |  |
| 2 1      | <b>Викисте</b> |          | · · · · · · · · | Present.          | Ē                                     |                       | :  | •      |                       |  |  |  |  |  |
| 41       |                | <u></u>  | :               | Not working.      |                                       | :                     | :  | :      | :                     |  |  |  |  |  |
| 40       |                | j        | Laos.           | Working.          | 7.                                    | 281                   | :  | 103    | 407                   |  |  |  |  |  |
| 30       |                | KR13.    |                 | Not working.      | :                                     |                       | :  | :      |                       |  |  |  |  |  |
| 88       |                |          | No.             | Werklug.          | 12                                    | 204                   | :  | 103    | 407                   |  |  |  |  |  |
| 37       | Wells.         |          | *               | .Zaid10w doN      | :                                     | 220                   | ·  | 220    | 203                   |  |  |  |  |  |
| 36       |                |          | Laos.           | •Bais110W         | 631                                   | 813}                  | 1173   | :      | 855)                  |  |  |  |  |  |
| NA<br>NA |                | Masoner. |                 | Not working.      | :                                     | 746                   | i  | 145    | 128                   |  |  |  |  |  |
| 34       |                | A        | No.             | Workings          | 0.29                                  | £079                  | 363  | :      | 620}                  |  |  |  |  |  |
| 33       |                |          |                 | ,Zaizion 10U      | 27<br>24                              | 210                   | 23   |        | 230                   |  |  |  |  |  |
| 33       |                |          |                 | .lacical          | <i>:</i>                              | :                     | :  | i      | :                     |  |  |  |  |  |
| 31       | GARDBUT.       |          |                 | -cderica          | :                                     | 1                     | :  | :      |                       |  |  |  |  |  |
| 30       |                |          |                 | Срарі.            | :                                     | æ                     | í  | œ      | ω                     |  |  |  |  |  |
| 29       |                |          |                 | Total cultivated. | 51,615                                | 63,041                | :  | 31,490 | 81,991                |  |  |  |  |  |
| 28       |                |          |                 | -faloT            | 23,107                                | 61,088                | 1  | 29,561 | 50,076                |  |  |  |  |  |
| 2.2      | Ваванг.        |          |                 | Bhar Barent.      | 616                                   | 8,140                 | i  | 7,025  | 7,385                 |  |  |  |  |  |
| 20%      | ,              |          |                 | .lac128           | 22,603                                | 43,529                | 1  | 10,038 | 117,24                |  |  |  |  |  |
|          | ············   |          |                 | ĺ                 | :                                     | ŧ                     | :  | :      | ę                     |  |  |  |  |  |
| 2        |                |          | Period.         |                   | frast actiloment                      | Jambat 1058 a 1899-09 | .52072<br>DOC<br>1007<br>1007<br>1007<br>1007<br>1007<br>1007<br>1007<br>100 | Did.   | Bambat 1833=1532-1930 |  |  |  |  |  |
| -        |                |          |                 | Details.          |                                       |                       | Kuttek.  |        |                       |  |  |  |  |  |

TAHSIL RUPBAS.

No. 1-Area Statement-contd.

|     |                |                       |                                   | .*              | Y                     |          |  |                       |
|-----|----------------|-----------------------|-----------------------------------|-----------------|-----------------------|----------|--|-----------------------|
| 26  |                |                       |                                   | z z             | ₹80                   | :        |  | 1,016                 |
| 77  |                |                       | .iliis                            | i E             |                       | 1        | ı  | 98                    |
| ន   | BAIDABA.       |                       | ,idelta                           | E               | i                     | :        | ε  | :                     |
| £   |                |                       | •13m10                            | E E             | 131                   |          | :  | 181                   |
| 8   |                |                       | *\$usest                          | d :             | 853                   | :        | :  | 908                   |
| 82  | NAURI.         |                       | . 13m2t.                          | A :             |                       |          | :  | :                     |
| 13  | YN             |                       | *\$E86D\$*                        | a :             | :                     | =        | :  | ¥ .                   |
| 81. |                | ·                     | .ladaK lded:                      | :               | :                     |          | :  |                       |
| 11  | 787            | -\$100                | eorge aderies dan idado yrerogmel | r i             | :                     | :        | :  | #                     |
| 2   | Спапт Ватвава. |                       | Jashi former sairaba present.     | ; ·             | 6                     | :        | :  | 41                    |
| St. |                |                       | •\$10seor\$                       | :               | 120                   |          | =  |                       |
| =   | _              |                       | Temporary present.                |                 | 23                    | :        |  | 643                   |
| 13  | спапі.         | Равилинг.             | Former.                           | :               | 218                   |          | :  |                       |
| 13  |                | Pass                  | Present.                          | :               | 458                   | E        |  | 646                   |
| =   |                |                       | New follow.                       | :               | r.                    | i        | i  | 1 '8                  |
| 2   | ·····          | <u> </u>              | Other ansesesed State property    | <b>i</b> ,      | 22                    | :        |  | 12 ,                  |
| °   |                |                       | Total unenlitrated.               | i               | 2,078                 | =        | ;  | 150,1                 |
| ED  |                | í                     | Caltarable weste.                 | 1,              | 1,609                 | 1        | :  | 1,405                 |
|     | ដំ             | <b>О</b> япестонався. | Огрста.                           | i .             | 80°S                  |          | Ŧ  | . 503                 |
| ·   | UNCULTUBABLE,  |                       | Hille,                            |                 | ĸ                     | ı        | ŧ  | z                     |
| 10  | מאכמו          | State Presertes.      | Jasel,                            | I               | 3                     | :        | :  |                       |
| -   |                | STATE                 | Hand.                             | :               | 3                     | ŧ        | ī  |                       |
| -   |                | <del></del>           | .esta lefoT                       | 5,892           | 6,710                 | 163      | i  | 6,719                 |
|     |                |                       | Perlod,                           | Latt ecitlement | Sambat 1056=1608-1509 | Decresso | In The state of th | Sambat 1950=1699-1600 |
| -   |                |                       | Detalls,                          |                 |                       | Mist     |  |                       |

T. SIL RUPBAS.

No. 1-Area Statement-contd.

|      |           |          |          | ` 1               |                 | •                   |          |          |                    |
|------|-----------|----------|----------|-------------------|-----------------|---------------------|----------|----------|--------------------|
| 43   | :         |          | REKLURS, |                   |                 |                     |          |          |                    |
|      |           |          | REN      | ,                 |                 | •                   |          |          |                    |
| *    |           | 'n       |          | 10 mater.         | . с             | . :                 | . :      | :        | :                  |
| 8    | 4         | Килж.    |          | To water.         | ñ               | :                   |          | :        | :                  |
| 45   | DEPTH.    | MARONEZ. |          | . 10 water.       | eda<br>TT<br>PT | 18                  | :        | en<br>en | :                  |
| 43   |           | Man      |          | To nater.         | 7.              | 80                  | ;        | 9        | ı                  |
| 43   | CLIB.     |          |          | Tempurary.        | 18              | 1 2                 | -        |          | 188                |
| \$   | Duberlie, |          |          | Present.          | :               | :                   |          | :        |                    |
| 4    |           |          |          | Not working.      | :               | :                   | :        | 1        | :                  |
| \$   | ٠         | ` ;      | Laot.    | ·Vorking.         | , ė             | :                   | 100      | :        | 6                  |
| 33   |           | Били,    |          | Not working.      | :               | ì                   | £        | <b>!</b> | į                  |
| - 38 |           |          | . No.    | Working.          | es              | :                   | ဗ        | <b>:</b> | ø                  |
| .37  | Wells.    |          |          | Not norking.      | · •             | 69                  | ;        | 63       | н                  |
| 33   |           |          | . Laos.  | ·ZnistoV(         | es<br>S         | 43<br>1             | i<br>I   | 10\$     | 434                |
| 48   |           | MASOWRY. | Жо.      | Not working.      | ŧ               | •                   |          | 6.1      | N                  |
| 34   |           |          | ×.       | •Zati±10V/        | ន               | 40 <b>2</b>         | i        | en<br>Es | <b>1</b> 08        |
| 83   | ·         |          |          | Not working.      |                 | o.                  | i i      | 65       | 85                 |
| 33   |           |          |          | Baraal,           | 1               | :                   | į        | i        | i                  |
| 31   | Gardung.  |          |          | .ndarie8          | :               | i                   | <b>!</b> | 1        | ŧ                  |
| 98   |           |          |          | Chabil            | :               | :                   |          | 1        | 1                  |
| 20   |           |          | -        | Total Cultivated. | <b>:</b>        | 3,563               | =        | Ī        | 8,330              |
| 28   |           | ``       |          | .leioT            |                 | 1,764               | :        | :        | 1,503              |
| 27   | Ваваят.   |          |          | .inareU zndU      | ;<br>:-         | 900                 | :        | ı        | 88.33              |
| 20   | ·         |          |          | Herapl.           | i               | 1,365               | ī        | 1        | 1,160              |
| 6    |           |          | Perlod.  | -                 | Last settloment | eambat 1066=1809-00 | 1        | Inc      | ang 1055=1590-1000 |
| -    |           |          | . •      | Detriise          |                 | ` `                 | Mai.     | в-       | -30                |

vi

TAIISIL RUPBAS.

No. 1-Area Statement-conold.

| 22    | {              |                 | JeioT                           | :               | 17,679              |             | <u>:</u>        | 10,641                |     |
|-------|----------------|-----------------|---------------------------------|-----------------|---------------------|-------------|-----------------|-----------------------|-----|
| a     |                |                 | Ebatill.                        | :               | 272                 | i i         | :               | 643                   | ₹   |
| <br>R | Вліпана        |                 | "ldshed                         | :               | 280                 | <b>;</b>    | :               | 108                   |     |
| ន     |                |                 | Former.                         | ;               | 11,632              | - <b>!</b>  |                 | 7,203                 |     |
| ត     |                |                 | Present,                        | :               | 6,825               |             | i               | 8,537                 |     |
| 22    | uī.            | <del></del>     | Kotmer.                         | :               |                     | <b>E</b>    | :               | , <b>:</b>            |     |
| ct Ct | NAUBI.         |                 | · Present.                      |                 |                     |             | :               | . 1                   |     |
| ez ez |                |                 | Chabi Yahril.                   | :               | :                   | :           | i i             |                       |     |
| 17    |                | present.        | Temporary chabi and sairaba I   | :               | en en               | E           | ŧ               | 1,133                 | j   |
| 36    | Силпі Ватвава. |                 | Chahi tormer sairaba present.   | :               | 502                 | :           | ì               | 163                   |     |
| 15    | , n            |                 | Present.                        | <b>:</b>        | 1,312               | :           | <b>:</b>        | 2,650                 |     |
| H     |                |                 | Temporary present.              | <b>;</b>        | 1,566               |             | :               | 9,376                 |     |
| 2     | СНЛИГ          | Pruzanan.       | . Еогдег.                       | ŧ               | 4,860               | i           | •               | 3,087                 |     |
| =     |                | Prese           | Present.                        | ŧ               | 7,206               |             | :               | 7,212                 |     |
| =     |                |                 | .nollal meN                     | ]<br> <br>      | 6,777               | i           | :               | 11,811                |     |
| 10    |                | •,              | Other unassessed State property | :               | 916                 |             | :               | 416                   |     |
| c     |                |                 | Total aneultirated.             | :               | 69,561              | :           | i i             | 81,609                |     |
|       |                |                 | Culturable waste.               | :               | 69,045              | :           | i               | 64,393                |     |
|       |                | Оместтовальв.   | .819450                         | 1               | 0,671               | 1 .         | ;               | 0,460                 | 7 - |
|       | UNCULTURABLE.  |                 | Hills.                          | <b>.</b>        | 13,810              | .:          |                 | 13,840                |     |
| -     | UNCUL          | STATE PROPERTY. | Javel.                          | 1               |                     | :           | :               | :                     |     |
| -     | _              | State           | ltand.                          |                 | 7,001               | . :         | :               | 7,001                 |     |
| •     |                | ····            | Asia fafol                      | =               | 1,83,331            | 1,211       | 1               | 1,83,841              |     |
| -     |                |                 | Teriod.                         | Last settlement | Eambat 1035#1203-00 | Decreases : | as and a second | Sembat 1880=1892-1800 | 1   |
| -     | • -            |                 | alle)s(                         |                 |                     | Toyle.      |                 |                       |     |

No. 1-- Area Statement-concid.

| •      |          |          |             |                  | , 11                                  |                       |              |               |                       |
|--------|----------|----------|-------------|------------------|---------------------------------------|-----------------------|--------------|---------------|-----------------------|
| 48     | •        |          | REMARES.    | •                |                                       |                       | -            | ;             | :                     |
| 47     |          | ·        |             | .101 water.      | · · · · · · · · · · · · · · · · · · · |                       | ] :          | ] :           | · ·                   |
| 46     |          | Кяли,    |             | To vater.        | i                                     | :                     | :            | · · ·         | ;                     |
| 46     | DEPTH.   | жих.     |             | Of water.        | :                                     | ;                     | :            | :             |                       |
| 4      |          | M480%nr. |             | "19jav oT        | i                                     |                       | :            | :             | :                     |
| 43     | , EIR    |          | <u>'</u>    | *fenaporary.     | <b>5</b>                              | . %                   |              | g             | 100                   |
| 43     | Duberle. |          | <del></del> | Present.         | :                                     |                       | :            | n             |                       |
| 41     |          |          | ٠           | Not working.     | . :                                   | :                     | :            | :             | <u>.</u> !            |
| Q¢     |          | 'n       | Laor.       | Working.         |                                       | 201                   | :            | 190           | 410                   |
| 8      | ;<br>;   | Кали,    |             | Not working.     | :                                     | :                     | :            | :             |                       |
| 38     |          |          | No.         | Vorking.         | 72                                    | 261                   | :            | 190           | 416                   |
| 87     | Wells.   |          |             | Not working.     | :                                     | 65                    | :            | £12 €1        | 202                   |
| 98     | ,        |          | Laor.       | Working,         | 196                                   | 857                   | 107          |               | 000                   |
| 38     |          | Masowur. |             | Nat working.     | :                                     | 121                   | :            | 411           | 130                   |
| 38     |          | М        | No.         | Vorking.         | 900                                   | 678                   | 28           |               | 117                   |
| £      |          |          |             | Not votking.     | 281                                   | 202                   | <u>.</u><br> | :             | 239                   |
| <br>gg |          | 1        | 1           | .lacroul.        | ŧ                                     | ,                     | :            | :             | =                     |
| 91     | Савряня. |          |             | .edaiia8         | :                                     | ;                     | :            | :             | E                     |
| . 0%   | 3        |          |             | Срэрі.           | i                                     | œ                     | :            | .:            | 6                     |
| ea     |          | !        | ,           | Holariffas lascT | :                                     | 86,654                |              |               | 86,327                |
| 28     |          |          |             | ,<br>Total.      | :                                     | 53,433                | :            | i i           | 61,670                |
| 22     | Ваваят.  |          |             | JuareA andA      |                                       | 8,530                 | :            | I.            | 817,7                 |
| 26     | ğ        | -        |             | Parent.          | :                                     | 44,803                | :            | =             | 43,903                |
|        |          | <u></u>  |             |                  | :                                     | 3                     | :            | :             | 02                    |
| R      |          |          | Pertod.     |                  | Last ectiloment                       | Sambat 1935 = 1899-00 | 9200         | orid<br>India | Sam at 1056#1602-1930 |
| -      |          |          |             | Details.         |                                       |                       | Togat.       |               | <del></del>           |

TAHSIL RUPBAS.

TAUSIL RUPBAS.
No. 2—Crop Statement,

| 12  |          |        | ,[cioT            | 3,287               | 2,820               | 3,263               | 2,039                | 3,395                | 169'9               | 0,713               | 4, 450            | 855     | 8       | 2,050  | 138   |
|-----|----------|--------|-------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------|-------------------|---------|---------|--------|-------|
| 202 |          |        | Others,           | 6                   | E                   | R                   | £                    | 8                    | 33                  | 8                   | 2                 | 48      | ;       | E      |       |
| 22  |          |        | Til               | E                   | , si                | 250                 | 317                  | 473                  | 401                 | 333                 | 33.               | 8       | 22      | ) ã    | 22    |
| n   | ABA.     | 13.    | Ganar Charth      | 288                 | 321                 | 369                 | 313                  | 210                  | 337                 | 108                 | 202               | 88      | ;       | 133    | 2     |
| 23  | BAIRADA, | Килия, | "saistl           | 1 2                 | 3                   | 1 =                 | :                    | 3                    | 2                   | 28                  | 1 8               | 0       | ;       | 4      | "     |
| ន   |          |        | .ienel            | LE\$                | 1,009               | 1,007               | 135                  | 673                  | 818                 | 1,269               | 817               | 09      | 1       | 704    | 46    |
| nz  |          |        | Bolia.            | 2,168               | 1,920               | 938                 | . 701                | 1,723                | 3,607               | 7,580               | 3,680             | 623     | į s     | 1,019  | 45    |
| 8   |          |        | Cotton.           | 33                  | 197                 | eg eg               | 533                  | 100                  | 302                 | 202                 | 368               | 37      | ] :     | 161    | 2     |
| 2   |          |        | Total of Chahl.   | 11,727              | 10,753              | 14,868              | 10,18)               | 14,859               | 15,731              | 12,119              | 13,082            | 9,859   | 260     | 13,764 | 786   |
| 13  |          |        | .fctol.           | 9,769               | 8, 157              | 11,469              | 9,232                | 12,177               | 12,693              | 19,900              | 10,776            | 210.0   | 637     | 11,340 | 163   |
| 12  |          |        | Others.           | 1,000               | 1,3(2               | 3,820               | 4,377                | 3,748                | 2,207               | 2,670               | 3,037             | 2,950   | 180     | 1,740  | 60    |
| 63  |          |        | .ebsoceda.        | 103                 | 186                 | 231                 | ê,                   | 7.8                  | 61                  | ŝ                   | 172               | 210     | £       | . 6ê   | 32    |
| я   |          |        | Wheat and Barley. | 888                 | 8                   | 139                 | ध                    | 358                  | 906                 | 351                 | 320               | 431     | 12      | :      |       |
| =   |          | Rank.  | Wheat and Gram.   | :                   | :                   | :                   | :                    | :                    | 1                   | :                   | :                 | 13      | 1.      | :      | :     |
| 2   |          | П      | Barley and Gram,  | :                   | :                   | :                   | ,                    | :                    | :                   | ;                   | :                 | 26      | E E     | :      | 1     |
| ä   |          |        | .mari             | :                   | :                   | ;                   | i                    | :                    | :                   | ;                   | :                 | 109     | :       | 143    | :     |
| ä   | ш.       |        | Parley.           | 3,651               | 2,539               | 2,900               | 2,010                | 5,119                | 7,615               | 4,271               | 4,013             | 3,353   | 109     | 0,423  | 331   |
| 10  | спапі.   |        | Wheat.            | 4, 165              | 4,303               | 4,023               | 2,710                | 2,883                | 1,890               | 2,893               | 3,293             | 1,883   | 153     | 2,527  | 135   |
| c   |          |        | .lesoT            | 1,971               | 2,263               | 3,300               | 010                  | 2,972                | 3,051               | 1,510               | 2,307             | 833     | ន       | 2,503  | igi   |
| œ   |          |        | Others.           | 243                 | 386                 | 551                 | 603                  | 835                  | 373                 | 323                 | 405               | 325     | ct      | 838    | 16    |
| 2-  |          |        | Til.              |                     | :                   | ;                   |                      | ;                    | :                   | ;                   | ;                 | 23      | 17      | 115    | 2     |
| ю.  |          | Кплит. | Ganar Chattl.     | :                   | , ,                 | :                   | i                    | į                    | :                   | :                   | ;                 | r       | :       | 10     | -     |
| 10  |          | Ka     | .ealeal&          | i                   | :                   | :                   | :                    | :                    | :                   | :                   | :                 | 8       | :       | ឧ      | 64    |
|     |          |        | Janat.            | :                   | :                   | ፥                   | į                    | :                    | i                   | :                   | :                 | 4       | :       | 100    | 4     |
| , n |          |        | *£1[¢f[           | :                   | :                   | :                   | :                    | £                    | :                   | :                   | :                 | 12      | -       | 1,027  | 86    |
| -   |          |        | Cotton.           | 1,720               | 1,881               | 2,816               | 910                  | 1,837                | 2,679               | 1,189               | 1,813             | 757     | 63      | 623    | n     |
|     |          |        |                   |                     |                     | :                   | i                    | 1                    | :                   | i                   | ŧ                 |         | *       | i      |       |
|     |          |        |                   | :                   | :<br>               | į                   | ٠                    | :                    | :                   | : ]                 | :                 | :       | : }     | . 1    | :     |
|     |          |        | إإن               | i                   | ; :<br>;            | :                   | :                    | :                    | :                   |                     | :                 | ;       | :       | :      | :     |
|     |          |        | Petalle           | :                   | 1=1632-03           | )∞1833·01           | 1=1894-0             | 3=1605-0K            | 3=1500.03           | 1=1697-08           | rerago            | :       | :       |        | :     |
|     |          |        |                   | 18=1E91-0           | Bambat 1940=1632-93 | Sambat 1950-1893-94 | Sambat 1051==1694-05 | Pambat 1053==1605-05 | Sambat 1953#1590-07 | Sambat 1054=1897-09 | stryear's average | Khales  | 4       | Khalsa | e ·   |
|     |          |        |                   | Sambat 1918æ1691-03 | BAI                 |                     | <u> </u>             |                      |                     | ž.                  |                   | A Sugar | Nan Jan | 1200.  | - Kan |
| •   | •        |        | !                 | i e                 | 5                   |                     |                      |                      |                     |                     | 1                 | \$400   | , gen   | 32.0   | mag   |

TAHSIL RUPBAS.

No. 2.—Grop Statement—contd.

|       | *        |          | •       |                           |                     | ix                    |                     |                     |                     |                     |                     |                    |        |   |        |                            |
|-------|----------|----------|---------|---------------------------|---------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------|---|--------|----------------------------|
| ;     | 99       |          |         | Total of Barani.          | 35,062              | 30,308                | 46,231              | 63,300              | 44.313              | 48,067              | 10,811              | 205,13             | 73,053 | 2,300   | 66,013 | 2,067                      |
| ;     | ž.       |          | ·       | .fefol                    | 14,010              | 12,710                | 15,833              | 17,369              | 5,571               | 702                 | 25,481              | 13,481             | 6,312  | 181   | 1,140  | 7                          |
|       | 22       |          |         | Others.                   | 307                 | 385                   | 311                 | 780                 | 313                 | -                   | 840                 | 415                | 164    | :   | 997    | -                          |
| -     | 3        |          |         | Vil-seeds.                | 68                  | 8                     | 1,301               | 1,393               | 180                 | 57                  | 3,575               | 1,213              | 1,423  | 13  | 203    | :                          |
| 5     | 5        |          |         | Gojra (Wheat and Barley). | - <del>1</del> 23   | 307                   | 13                  | 283                 | 8                   | :                   | 1,203               | 302                | 13     | 0.7   | :      | :                          |
| 5     | 3        |          | Binr.   | Goehni (Wheat and Gram).  | 023                 | 408                   | 1,453               | 1,701               | 137                 | 81                  | 3,325               | 1,214              | 77     | 4   | :      | ·:                         |
| . \$  | 2        |          |         | Bejar (Barley and Gram.)  | 4,635               | 2,138                 | 3,059               | 2,757               | 1,558               | 603                 | 5,481               | 3,300              | 303    | 13  | :      | :                          |
| 8     | ?        |          |         | Gum .                     | 0,451               | 8,135                 | 8,081               | 8,320               | 2,510               | 23                  | 0,028               | 0,273              | 2,359  | 103   | 8      | -                          |
| 4     |          | ANI.     |         | Barley.                   | 770                 | 158                   | 101                 | 273                 | 03                  | 21                  | 780                 | 235                | 400    | 8   | 101    | -                          |
| \$    |          | BARANI,  |         | Wheat.                    | 210                 | 453                   | . 199               | 757                 | 077                 | 20                  | 237                 | 403                | 103    | 60  | c C    | -                          |
| 5     |          |          |         | Total.                    | 21,043              | 26,589                | 30,148              | 39,030              | 38,769              | 47,395              | 61,330              | 38, 110            | 07,710 | 2,313   | 03,601 | \$,063                     |
| -     | -        | •        |         | .srodiO                   | 83                  | 110                   | 102                 | 00                  | 133                 | 52                  | 113                 | =                  | 410    | °   | 1,815  | 10                         |
| 2     |          | •        |         | TIL                       | 553                 | 1,419                 | 2,859               | 4,401               | 3,137               | 3,220               | 2,138               | 2,017              | 0,010  | 330   | 10,692 | 463                        |
| 43    |          |          | Килету. | Gawar Churtl.             | 3,144               | 5,031                 | 4,894               | 4,030               | 5,337               | 5,580               | 3,284               | 4,820              | 3,004  | 200   | 4,024  | 196                        |
| . 2   |          | ,        | Кп      | Ansina.                   | 1,318               | 1,181                 | 000                 | 420                 | 1,099               | 313                 | 333                 | 033                | 5,033  | 190   | 6,131  | 210                        |
| \$    |          |          |         | .icnel                    | 3,020               | 4,410                 | 5,500               | 5,151               | 0,127               | 7,860               | 4,503               | 0,020              | 7,815  | 133   | 4,109  | 167                        |
| S     | -        |          |         | .trica                    | 11,045              | 12,821                | 13,679              | 13,081              | 17,807              | 27,967              | 30,023              | 31,0,12            | 37,090 | 1,110   | 33,176 | 603                        |
| g     |          |          |         | Cotton,                   | 1,875               | 1,500                 | 3,361               | 7, 178              | 1,099               | 2,317               | 935                 | 2,701              | 3,800  | 185   | 3,555  | 8                          |
| . 5   |          |          |         | Total of Sairaba.         | 19,355              | 13,623                | 13,12.°9            | 25,580              | 8,017               | 7,230               | 23,531              | 14,810             | 0,010  | 893   | 8,000  | 018                        |
| , e   |          | ÷        |         | Total.                    | 13,058              | 0,003                 | 0,840               | 22,511              | 5,912               | 1,049               | 12,818              | 10,369             | 6,103  | 817   | 0,311  | 760                        |
| 38    |          |          |         | · eradiO                  | 010,1               | 718                   | 531                 | 000                 | 403                 | 145                 | 758                 | 610                | . 131  | :   | 520    | <u></u>                    |
| ä     |          |          |         | •£booellC                 | 303                 | 83                    | 107                 | 250                 | 11,                 | 2                   | 723                 | 211                | 300    | £,  | 209    | 53                         |
| , E   |          | SAIRABA. |         | . Coltait ban tand V      | 963                 | 156                   | 1,016               | 1,831               | 203                 | 98                  | 405                 | 23                 | 201    | 2   | :      | :                          |
| - E   |          | SAĬ      | TETT, A | Wheat and Gram.           | 1,010               | 8                     | 980                 | 2,330               | 431                 | =                   | 2,531               | 1,193              | E      | 9   | :      | : -                        |
| ,<br> | <u>.</u> |          | 1.      | ariet and Gram.           | 3,393               | 3,138                 | 2,801               | 4,385               | 1,759               | 27.5                | 3,010               | 2,713              | 301    | <b>1</b> \$   | · :    | :                          |
| i     | 8        |          |         | 'mes                      | 1,140               | 1,020                 | 1,570               | 0,231               | 016                 | 231                 | 1,307               | 1,073              | £6     | :   | 3,106  | 88                         |
| }     | , ខ      | . •      |         | . Lolie                   |                     |                       | 22.7                | 296                 | 120                 | 715                 | 1,211               | g                  | 1,106  | <del> </del>  | 1,803  | 129                        |
|       | 28       |          |         |                           |                     | 2,90                  | 3,900               | 6,033               | 1 560               | 97                  | 1,907               | 2,300              | 1,503  | rot .   | 0:0    | 159                        |
|       |          |          | ,       | -<br>-                    | 1                   | :                     | :                   | 1                   |                     | •                   | *                   | "                  |        |   |        | 1                          |
|       |          |          |         | _                         | 1                   | 1603.03               | 1833-01             | a1E94.05            | 1805.00             | 1400-07             | E0-1631-03          | стико              |        |   | :      | 1                          |
|       | -        |          |         | Details,                  | 1691.03             | 9ambat 1019 = 1603-03 | Sambat 1030-1833-04 | Sambat 1031=1E91-05 | Sambat 1052=1805-00 | Sambat 193311696-87 | Sambat 1051=1837-03 | Six year's average | Khalen | :   | Khalsa | ::                         |
|       |          | -        | · ·     |                           | Bambat 1019=1531-03 | Jun 8                 | l ag                |                     |                     | er reame            |                     | 1 5                |        | 25.50<br>25.50<br>26.51<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50<br>26.50 | 1, -   | 100.63<br>50.61<br>61.62-1 |
|       |          | }        |         |                           | ) Eg                | )                     |                     | ,                   |                     |                     | -                   |                    | 1 ;    | B—<br>rdmr3<br>rdmr3  | 31     | Imi2                       |

x

TAHSIL RUPBAS.

No. 2.—Crop Statements-concld.

| 78          | ATED.                      |         | JaoraU .                  | 26,664              | 31,081              | 33,065              | 40,089              | 33,465              | 39,660              | \$0,070             | 38,179             | 07,010   | 2,140                 | 06,056 | 1,721 |
|-------------|----------------------------|---------|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|----------|-----------------------|--------|-------|
| 11          | REMAINING AREA CULTIVATED. |         | . Lderida                 | 13,125              | 8,083               | 12,270              | 16,097              | 8,562               | 298'0               | 15,820              | 11,421             | 6,416    | 198                   | 8,311  | _ 003 |
| 20          | ING ARE.                   |         | Сһаһі,                    | 11,727              | 10,763              | 11,808              | 10,181              | 11,810              | 14,828              | 12,110              | 12,032             | 699*0    | 543                   | 12,703 | 713   |
| 7.6         | REMAIN                     |         | Area cultivated.          | 51,515              | 018'09              | 60,103              | 752,73              | 58,756              | 01,052              | 78,606              | 02,532             | 83,019   | 3,533                 | 81,906 | 3,339 |
| <b>1</b> 2. |                            |         | Double cropped area.      | 12,500              | 115,811             | 14,177              | 20,698              | 11,403              | 0,383               | 33,255              | 17,261             | 6,800    | ) a                   | 5,698  | 423   |
| 73          |                            |         | Total of both crops.      | 64,046              | 65,263              | 74,230              | 88,155              | 68,150              | 71,040              | 111,861             | 79,793             | 88,018   | 3,852                 | 87,667 | 3,760 |
| 22          |                            |         |                           | 37,744              | 33,003              | 37,178              | 49,139              | 23,413              | 15,093              | 40,368              | 34,622             | 10,621   | 1,568                 | 18,006 | 1,378 |
| 17          |                            |         | Others.                   | 2,173               | 2,479               | 4,605               | 5,717               | 4,553               | 2,513               | 4,27.1              | 4,632              | 3,574    | 180                   | 2,029  | 118   |
| 2           |                            |         | -kbssell-                 | 1,363               | G10                 | 1,770               | 1,003               | 375                 | ,<br>  8            | 4,607               | 1,626              | 2,033    | 6                     | 1,869  | 46    |
| 8           |                            |         | Gojra (Wheat and Barley.) | 1,897               | 674                 | 1,767               | 2,239               | 920                 | 146                 | 1,962               | 1,361              | 1,008    | 8-                    |        | :     |
| 80          |                            | B.knt.  | Goebni (Wheat and Gram.)  | 2,263               | 1,178               | 2,439               |                     | 18                  | 88                  | 5,856               | 2,377              | 192      | 72                    |        | ;     |
| 19          |                            |         | Pejer (Berley and Gram.)  | 7,028               | 0.20,7              | 60,193              | 8,142               | 3,361               | 883                 | 262'6               | 991.6              | 72       | 3                     |        |       |
| 8           | ry.                        |         | •mrið                     | 7,507               | 0,750               | 10,157              | 14,553              | 3,462               | 213                 | 11,205              | 8,245              | 3,405    | E                     | 2,317  | GE 30 |
| 8           | GRAND TOTAL.               |         | Parley.                   | 6,378               | 3,109               | 3,020               | 323                 | 5,703               | 8,351               | 0,271               | 4,670              | 4,053    | )<br>0<br>2<br>3<br>0 | 8,510  | 107   |
| 10          | 0                          |         | Wheat.                    | R,810               | 7,017               | 6,828               | 0,402               | 4,636               | 2,011               | 3,010               | 5,013              | 3,450    | 867                   | 3,342  | 050   |
| 8           |                            |         | ,faloT,                   | 20,301              | 81,681              | 37,103              | 39,010              | 45,740              | 55,047              | 62,653              | 45,171             | - 09,127 | 2,284                 | 160,00 | 2,382 |
| 8           |                            |         | Others.                   | 465                 | 2119                | 1.                  | 940                 | 1,028               | 481                 | ES                  | 695                | 783      | 8                     | 2,200  | in in |
| 10          |                            |         | .IIT.                     | 615                 | 1,560               | 3,106               | 4,7.18              | 019,                | 3,630               | 2,7711              | 3,221              | 19,053   | 351                   | 11,100 | 491   |
| 03          |                            | Kitany, | Ganat Charri,             | 3,132               | 6,403               | 6,103               | €,931               | 5,627               | 5,023               | 3,183               | 5,058              | 3,765    | 300                   | 4,777  | 150   |
| 62          |                            | ×       | "calscít.                 | 1,343               | 1,231               | 1,615               | 420                 | 1,126               | ĝ                   | 361                 | - P                | 5,655    | egr                   | 5,107  | 255   |
| 62          |                            |         | Janat,                    | 3,157               | 6,119               | 6,597               | 6,050               | 0,700               | 8,603               | 5,673               | 5,810              | 7,610    | 937                   | 5,073  | 217   |
| 22          |                            |         | . <b>,</b> मांख           | 13,213              | 13,525              | 11,616              | 14,635              | 10,620              | 31,531              | 47,503              | 13,631             | 33,520   | 1,169                 | 33,213 | 1,073 |
| 2           |                            |         | Cotton.                   | 3,637               | 3,578               | 5,818               | 8,1:0               | 1,035               | 5,387               | 2,338               | 4,631              | 4,300    | 187                   | 1,470  | 101   |
|             | `                          |         |                           | i                   | :                   | i                   | i                   | :                   | : ]                 | -                   | ı                  | ;        | -                     | -      | -     |
| 1           |                            |         | Defalite                  | -1591-63            | Sambat 10/0=1802.03 | Sambat 1020=1893-04 | 5ambat 1031=1861.03 | Sambat 1052=1895.pg | Sambat 1633=1606-67 | Bambat 1851-1867.09 | Six years' average | :        |                       | 1      |       |
|             |                            |         |                           | Sambat 1019m1501-03 | Samb                | Samba               |                     | S CLOLIE            |                     | Bambat              | Six year           | Khalta   | 12                    | 2      | Mad H |

No. 3.—Statement of Realisations and Balances from Sambat 1912 to Sambat 1956.

| <u>1</u>                 |                                       | 2             | 3             | 4         | 5           | 6                    | 7                   | 8            | 9                   | 10                            |
|--------------------------|---------------------------------------|---------------|---------------|-----------|-------------|----------------------|---------------------|--------------|---------------------|-------------------------------|
|                          | ,                                     |               |               | Remitted  | OR REDUCED. | Bata                 | NCB.                | , Јама оу бе | buned lekl.         | ,                             |
| Name of year,            |                                       | Total demand. | Realised.     | Remitted. | Reduced,    | Realised up to date. | Balance up to date. | Realised.    | Balance up to date. | Remarce,                      |
| Sambat 1912=1855-56      | •••                                   | Rs.           | Rą.<br>99,076 | Rs.<br>   | Rs.         | Rs.<br>23            | Rs.                 | Rs.          | Re.                 |                               |
| Sambat 1015=1858-50      |                                       | 1,16,200      | 1,19,200      |           |             |                      |                     |              | •••                 |                               |
| Sambat 1918=1861-62      |                                       | 1,18,209      | 1,17,450      | ***       |             | 849                  |                     |              | •••                 |                               |
| Sambat 1928=1871-72      | •••                                   | 1,29,670      | 1,29,668      |           | •••         | 3                    |                     | .,,          | •••                 |                               |
| Sambat 1030 ≈1892-83     | ,,,                                   | 1,43,870      | 1,25,752      | ***       | •.,         | 1,240                | 16,489              | 669          | 852                 |                               |
| Cambat 1947=1800-91      | 411                                   | 1,00,513      | 89,477        |           | ***         | 637                  | 10,399              | 1            | •••                 |                               |
| :<br>Sambat 1048=1801-93 | -                                     | 1,05,297*     | 91,803        |           | ,           | 1,901                | 11,593              | ٠            | 6                   | *According to Jama<br>Kharch. |
|                          | ***                                   | 1,01,474      | 91,779        | •••       | <i></i>     | 1,001                | 10,793              |              | •••                 |                               |
| Sambat 1949=1892-93      | •••                                   | 1,05,766      | 99,542        |           |             | 1,790                | 5,434               | 87           | •••                 |                               |
| Eambat 1050=1893-01      |                                       | 1,05,796      | 99,457        | •••       |             | 856                  | 5,453               | 42           | 200                 |                               |
| Eambat 1951=1694-95      | ,                                     | 1,95,994      | 1,00,471      | ***       |             | 249                  | -5,201              | 86           | P**                 |                               |
| 6ambat 1052=1895-96      | •••                                   | 1,05,984      | 79,330        | ***       | 573         | 1,237                | 25,845              | . 81         | 450                 |                               |
| Bambat 1053=1690-97      | •••                                   |               | 57,749        | •••       | •••         | 11,119               | 36,513              | _ <b>5</b> 9 |                     |                               |
| 131 1054=1897-93         | , , , , , , , , , , , , , , , , , , , | 1,05,295      | 08,223        |           | ***         | 201                  | 6,666               | .59          |                     |                               |
| ambat 1955=1693-0        |                                       | 1,05,777      | 83,030        | -         |             |                      | <b>22,73</b> 9      | 22           | С                   |                               |

No. 6.-Statement of cultivating occupancy.

TAHSIL RUPBAS.

No. 4 -Statement of Sales and Mortgages.

| 18   |  |            | Пвилане,           |             |              |                                 |                                  |       |              | , .  |          | . ,     |
|------|--|------------|--------------------|-------------|--------------|---------------------------------|----------------------------------|-------|--------------|------|----------|---------|
| 17   |  |            | ecdzie rag oleK    | Rs. A. P.   | 1 10 1       | 8 22                            | 1 11 0                           |       | 0 18 0       | :    | 1 10 2   | 5 2     |
| 10   |  | ń          | Price,             | R8.         | 3,470        | 300                             | 2,010                            |       | 501          |      | 6,728    | 300     |
| . 91 |  | Birns.     | Uncultivated.      |             | 69           | ä                               | 497                              |       | <del>=</del> |      | 1,272    | 12      |
| 14   | ) TO 1808.   |            | . Caltirated.      |             | 1,370        | ñ                               | 217                              | :     | 130          | :    | 2,235    | 23      |
| 13   | FROM 1850 TO 1898.   |            | Bato yer Bigha.    | Вз. А. Р.   | 4 2 7        | 1 12 11                         | 1 10 9                           | :     | 4 2 7        | ;    | 314 0    | 1 12 11 |
| 13   |  | 76607      | youthere moned.    | Rs.         | 12,871       | 150                             | 1900                             | 1     | 6,227        |      | 19,068   | 150     |
| n    |  | Мавтолавь, | Daealtivated.      |             | 1,032        | 20                              | 297                              | i     | 350          | i i  | 1,609    | នួ      |
| 10   |  |            | .Caltirated.       |             | 2,014        | 8                               | 233                              | ŧ     | 300          |      | 3,213    | 23      |
| G    |  |            | . sedziu reg vieu. | Вз. А. Р.   | 170          | :                               | 111 9                            | 1     | 2 0          | 1    | 114 1    | 1       |
| 8    |  | Sating,    | Price              | ßa.         | 10,453       | :                               | 0,503                            | ī     | 4,687        |      | 18,003   |         |
| 7    |  |            | U neultirated.     |             | 3,171        | :                               | <b>C95</b>                       |       | 213          | 1    | 4,379    | ` :     |
|      | 5 TO 1880,   |            |                    | Caltfrated. |              | 3,819                           | :                                | 1,312 | :            | 536  | ŧ        | 6,667   |
| 20   | FROM 1835 TO 1839,   |            | Rate por Bigha.    | Rs. A. P.   | 6)<br>ආ<br>භ | 3                               | 6 14 9                           | ŧ     | 0 15 7       | 117  | 4 2 9    | 117     |
| 7    |  | ,4018.     | Nortg2go monet.    | 136.        | 69,581       | =                               | 5,025                            | :     | 29,663       | 163  | 93,453   | 162     |
| -    |  | Монталан.  | .Uacultirated      |             | 7,859        | ŧ                               | 171                              | 1     | eee          | 53   | β,3c3    | 22      |
| -    |  |            | .Caltivated.       |             | 10,616       | :                               | 679                              | :     | 2,510        | ນິ   | 14,061   | 86      |
|      |  |            |                    |             | Khalea       | gen                             | (Khalsa                          | (Med  | f Khalsa     | (Mad | (Klialsa | mag     |
|      | The statement of the st |            | Detaile.           |             |              | To Lamindars of the same Tilago | The Zamin laye of other will and |       |              | •    |          | Total   |

No. 5 .- Statement of cultivating occupancy.

| ٠. | ,   | 1  |   |                      | •                               |                      |            |  |   |             |                   |              |          |               |   |
|----|-----|--|---|----------------------|---------------------------------|----------------------|------------|--|---|-------------|-------------------|--------------|----------|---------------|---|
|    | 92  |  |   |                      | BERFEE                          | 1.                   |            |  |   |             |                   |              |          | ,             | ·   |
|    | 21  | AVERAGE RENTS<br>Per<br>Pigra,                             |   |                      | On area in column 21.           | Rs. A. P.<br>2 10 11 | 3 1 4      | 3 10 0                                       | 1 13 2  | 1 0 0       | 128               | 1 6 0        | 0 13 0   | 1 7 9         | 114   |
|    | 23  | AVEBAG<br>Pl<br>Blue                                       |   |                      | .9I mmploo ni esta nO           | Rs. A. P.            | :          | 3 0 0  | 1   | 3 0 11      | . "               | 180          | 1 0 11   | 1 11 3        | 1 0 11  |
|    | 23  |  | TII   | r-38-ę3m             | Total area held by ten:         | 3,264                | 921        | 150  | ♀   | 2,658       | 638               | 32,327       | 1,017    | 38,427        | 1,651   |
|    | 22  |  |   | ratos.               | Brpees.                         | 5,803                | 828        | 40\$   | 1 2   | €00°*       | 749               | 27,087       | 783      | 38,206        | 1,029   |
|    | 11  | ų  | 13 HT.  | By other rates,      | .A91A.                          | 2,103                | 166        | . 191  | 40  | 2 038       | 638               | 21,306       | 87.      | 25,709        | 1,782   |
|    | 20  | AREA HCLD AND BENTS PAID BY TENANTS AT WILL.               | Carr mente  | Bachh.               | #seagust                        | 3,400                | 1 1        | 88   | 1.  | 1,171       | ı                 | 17,033       | 73       | 21,606        | R   |
|    | 19  | TENAN  |   | By Dhal Bachh.       | . 451A                          | 1,101                | :          | &  | :   | 823         | :                 | 11,018       | 8        | 12,716        | 8   |
|    | 18  | KI GIV   | 18.   | <del>'-,</del>       | Rnbeea.                         | i                    | :          | ;  | 1:  | 1 :         | :                 | ۳ ا          | i        | 8             | <u> </u>                                      |
|    | 11  | NT3 P.   | Brits.  |                      | Area.                           | :                    | <u>;</u>   | ;  | 1:  | :           | :                 | <sub>2</sub> | :        | , n           | :   |
| ,  | 16  | ND BE  |   | '1                   | aird redau cern lato'?          | :                    | :          | :  | i   | :           | :                 | :            | i        | :             | :   |
|    | 15  | CLD A)   |   | Less than one-third. | Area.                           | :                    | :          | :  | l i   | :           | : }               | : ]          | :        | i             | ;   |
|    | 14  | REA H  | Bets in Kind  | Less                 | Share.                          | <b>:</b>             | :          | ;  | <u> </u>                                      |             | <u>}</u> 1        | :            | :        | :             | <u>  :                                   </u> |
| ,  | - E | [¥   | Rusts   |                      | Drietted.                       | :                    | <u> </u>   | :  | <u>  ;                                   </u> | ;           | : ]               | :            | :        | 1             | !   |
|    | -12 |  |   |                      | Tro-filths.                     |                      | !          | ;  | :   | 1:1         |                   | :            | 1        | :             | !   |
|    | =   |  |   |                      | liall or more.                  | :                    | :<br>  :   | <u>                                     </u> | :   |             | -                 | :            | <u> </u> | :             |   |
|    | 10  |  |   | Details.             |                                 | selss                |            | f Khales                                     |   | Khalea .    |                   | Khalsa       |          | ales          |   |
|    |     |  | ,   | α                    |                                 |                      | Chy<br>Chy |  | ined.<br>daries<br>insasiq                    | 2017.       | i d<br>i d<br>i d | rant.        |          | _             | For<br>Mag                                    |
|    | 0   | TED  | •   |                      | . fc10T                         | 465                  | 3,023      | 2,200  | #   | 116         | #36               | 450          |          | <b>4,</b> 063 | 7,415   |
| į  | 6   | Abea Cultivated<br>by Occupancy<br>Tenants.                |   |                      | At other rates.                 | 307                  | 2,830      | 4,780  | 8   | 140         | 236               | 323          |          | 2,070         | 5,025   |
|    | 2   | AREABY   | ·llek to  | rodšiw 7             | At owner's rate with o<br>kana. | 168                  | 1,003      | 2,120  | :   |             | :                 | 163          |          | 1,003         | 2,420   |
|    | 0   | EE OF<br>S.THAN<br>'R.                                     | ER'S  |                      | Rupces.                         | 1                    | S          | :  | i i   | :           | :                 | :            |          | 8             | i   |
|    | ۵.  | IN TENANTS PREE OF<br>HENTO: AT LESS THAN<br>OWNER'S BATE. | Lipus Tilan<br>Owner's<br>Blib.   |                      | .4314.                          | 33                   | ន្ទី       |  |   | :           | :                 | 37           | -        | 150           | i   |
|    | -   | BY TES<br>HENT O<br>OWN                                    | HETTORA<br>HETORA<br>OWNER<br>100 of 100 of 10 |                      |                                 |                      | 1,705      | i  | 1   | 9           | :                 | <b>10</b>    |          | 1,748         | :   |
|    | 60  |  | Cultivated by onners.   |                      |                                 |                      | . 39,835   | ŧ  | 93  | 1,61        | :                 | 1,067        |          | 40,327        | :   |
|    | •   |  | Total cultivated area.  |                      |                                 |                      | . 63,019   | i  | 308   | 4,617       | :                 | 7,609        |          | 80,608        | :   |
|    | 1   |  | Det ills.   |                      |                                 |                      | Area       | "Inpere                                      | ffoldings                                     | \ Area      | Rupers            | (Haldinks    | .        | ) Afer        | (Rupers                                       |
|    |     |  |   |                      |                                 |                      | Khalun     |  |   | ST ST       |                   |              |          | 100           |   |
| ١  | - 1 |  |   |                      | · ·                             |                      |            |  | 1224  | SAMILES TER | szz.[             |              |          |               | :   |

r-35

xiv TAHSIL RUPBAS.

No. 6.—Statement showing rents by class of soil. (Khalsa).

|  | ·                         | 1       |         |                | 2      | 3            | 4                    | Б                       | 6       | 7              | 8        |
|--|---------------------------|---------|---------|----------------|--------|--------------|----------------------|-------------------------|---------|----------------|----------|
|  |                           |         |         | _ <del>-</del> |        | CASH RENT    | r.                   |                         | Owner's | SHARE OF CHOP, |          |
|  | D                         | etaile. |         |                | Area.  | Rent,        | Bato per Digha,      | Monial's share of crop, | Arca.   | Share.         | Bemarks. |
| Chabi permaner                           | nt                        |         | <b></b> | •••            | 1,743  | Rs.<br>4,653 | Rs. A. P.<br>2 12 10 |                         |         |                |          |
| Chahi                                    | Present                   | ***     | ,       | •••            | 161    | £0 <b>.</b>  | 2 10 9               |                         | ,,,     | 111            |          |
| Chabi former<br>Bairaba present          |                           | 444     | ***     | , — ^ — ,      | 54     | 143          | 2 10 4               |                         | ***     |                |          |
| Chahi temproar                           | 7                         | ***     | ***     | }              | 420    | 018          | \$ 2.11              |                         |         | ,              |          |
| Chabi former                             | T vienes desalitación est |         |         |                | 997    | 1,999        | 2 0 4                |                         |         |                |          |
| Sairada                                  | Former                    | •••     | ,       |                | 2,597  | 4,103        | 1 9 10               | **1                     |         |                |          |
|  | Present                   |         | ***     |                | 2,034  | 8,650        | 114 6                | ***                     | 411     |                |          |
| n  | Barishi                   | •••     | ***     |                | 6      | 26           | 400                  | ***                     | •".     |                | ·        |
| <del>Orași de Constanti de La cons</del> | Barani                    |         | ***     |                | 14,705 | 16,006       | 136                  | ***                     |         |                |          |
| Phur Barani                              | 4                         |         |         |                | 2,921  | 3,076        | 0 13 4               | ***                     | ***     |                |          |
| Telal                                    | ***                       | •••     | 404     |                | 25,709 | 50,205       | 170                  |                         |         |                |          |
| ~  |                           | ····    |         |                |        |              |                      |                         |         |                |          |

No. 6-A .- Statement showing Rent by class of soil, (Mafi.)

|                               |          |         | N  | o. 6-∆    | 1Statem     | ent showin | ig Rent by      | class of s              | oil. (Ma   | £.)           |          |
|-------------------------------|----------|---------|--|-----------|-------------|------------|-----------------|-------------------------|------------|---------------|----------|
|                               |          | l       |  |           | 3           | 3          | i               | Б                       | 6          | 7             | 8        |
| •                             |          |         |  | •         |             | Cash dent. |                 |                         | Ожизи'я вз | IARH OF GROP. |          |
| g                             | Deta     | dis.    | and the same of th | i widdini | Arca.       | Rent.      | Bate per Bigha. | Menial's shate of crop. | Ares.      | Share.        | Remarks, |
| Chahi permanen                |          | ***     | •••  | ""        | 143         | Rg.<br>297 | Rs. A. P.       | <b></b> ·               |            | ***           |          |
| Chahi<br>Sairaba              | Present  | •••     | ***  | 4         | 40          | 73         | 1 19 a          | •••                     | 114        | ***           |          |
| Chahl former  Bairaba presont | ***      | 411     | ***  |           | 2           | 6          | 200             | ***                     | **1        | ***           |          |
| Chahl temporary               | 41)      | •••     | 101  | 7         | 14          | 28         | 200             | 511                     | 411        | ***           | •        |
| Chahi former                  | 414      |         |  |           | 62          | 58         | 0 14 5          | 610                     | 111        | 614           |          |
| Sairaba 🗽                     | Former   |         | ***  | ***       | 23          | 23         | 100             |                         | , ,,,      | 111           |          |
|                               | Present  | ****    |  |           | <b>G3</b> 5 | 745        | 1 2 0           |                         |            |               |          |
| Barani                        | (Barish) | #11     | ***  |           |             | ***        | 10              | ***                     | •••        | •11           |          |
| euronalineaus pheiskällilline | (Baran)  | , · ··· | •••  | •••       | 620         | 477        | 0 12 4          | •••                     |            | •••           |          |
| Bhur Barani                   | ***      | •1•     | Total  | ***       | 1,762       | 1,929      | 1 1 4           | -                       |            |               |          |
| · · · · ·                     |          |         |  |           |             | ·          |                 | •                       |            |               |          |

No. 7.---Stalement showing ownership by tribes and tenures.

| Bulldre.                              |  |   |  |                      |                |                             |                         | •           |       |                |               |
|---------------------------------------|--|---|--|----------------------|----------------|-----------------------------|-------------------------|-------------|-------|----------------|---------------|
| Number of<br>tenants at will,         |  | : I : 1   | : ;  | : :                  |                | : :                         | :                       | : :         | •     | : :            | 2,881         |
| Number of occupancy lenauts.          |  | 1 1 1 1 1   |  |                      |                |                             | 1 1                     | : :         | ;     | : :            | 313           |
| ,<br>Number of<br>tenancy halding     |  |   |  | : :                  | : :            | : :                         | :   :                   | : :         | :     | : :            | 2,606         |
| Jama in the<br>past year.             | 24,000   | 30,631  | 12,628                                     | 136'£                | 6,170          | 8,168                       | £33                     | 105,1       | 1,690 | : :            | 1.05,856      |
| Califrated.                           | 1,564  | 28 061<br>220<br>0,410  | 10,831                                     | 2,363                | 5,813          | 7,136                       | 405                     | 1,138       | 1,032 | 1. :           | 3,643         |
| Tolal area.                           | 2,836  | 327   | 303  | 4,566                | 8,333          | 11,627                      | 1,018                   | 1,712       | 1,618 | 7,390          | 1,76,623      |
| Number of<br>proprietary<br>haldings. | 23   | 182   | 13   | 25                   | 18             | E H                         | 10                      | 18          | \$    | : :            | 673           |
| ers.<br>Total.                        | 1,169  | 814<br>14<br>16<br>17<br>10   | 401  | ::                   | 212            | S   S2                      | 10                      | 100         | :     | : :            | 3,256         |
| Number of awners.                     | 7 7 421  | 167   | 1115                                       | g   :                | :<br>8         | 188                         | 16<br>1:                | 01.         | :     | : :            | 1,007         |
| Nan<br>Present,                       | 1,017  | 14 14 210   | 126  | 10                   | 103            | 153                         | 9 ::                    | 17          | :     | 1 1            | 3,220         |
|                                       |  |   |  | : :                  | 1 1            | : :                         |                         | • •         |       | : :            |               |
| Leading tribes.                       | Khalts  "\ Mad  Khalts  "\ And  Khalts  "-\ And  "           | Khales { Nag  | Khalsa Xxaa                                | Klinica S. Man       | . Xnalsa - Xna | XD P. S. Klinlen            | Khalsa                  | Khalsa \Xxa | **    |                | Khalsa<br>Maa |
|                                       | SCHRITTAN<br>OTHER JATA                                      | Riber   | BRITIK AND DAGRE                           | וניכתנ               | горит          | Hare, Megareend Pr. Skining | 19 (ispor               | Orners      | Кили  | State Property | Total         |
| Tenute.                               | Zamindari pure 3.<br>Zamin laci joint —<br>Kindea 23) Mefi l | Fattidari peefect— Klialen I Maff I Pattidari imperfect— Khoke II Mad I | . The jackate imperfect<br>Khalea Ol Mad 4 | Palifiati Bhayschara | Кћат           | Etale property 1.           | Total Khalsa 731 Mad 49 |             |       |                |               |

No. 8.44 Statement of cattle, carts, population, etc.

|   | ı        |             | ٠                | 1                | 1                          |                    | ]    |
|---|----------|-------------|------------------|------------------|----------------------------|--------------------|------|
| - |          |             |                  | , .              | ,                          |                    | ,    |
|   | £2       |             |                  | Reklers.         |                            | v                  |      |
|   | <u>.</u> |             |                  | *                |                            |                    |      |
|   | 22       |             |                  | ALTOT GEAE.      | 21,045                     | 598'82.            |      |
|   | 31       |             | ž                | "golptuog        | 0,203                      | 110,11             |      |
|   | g .      |             | Toriza           | .esleu.          | 119'11                     | 14,435             |      |
|   | t)       | ATION.      | еристуа.         | 7 *esigme.       | 8,300                      | 3,305              |      |
|   | 19       | POPULATION. | Nok-queriateors. | Nales.           | 4,201                      | 2,731              |      |
|   | 11       | ,           | ATORS.           | Eomsjea•         | 6,89.4                     | 6,622              |      |
|   | 10       |             | Colyivators.     | <i>11</i> 2103.  | 7,840                      | 11,704             |      |
|   | 8        |             |                  | Details,         | Sambat<br>1047.            | Sambat<br>1056.    |      |
|   | 77       |             |                  | "aria."          | Q                          |                    |      |
|   | 13       |             |                  | 10307            | 17,687                     | 31,425             |      |
|   | 13       | ,           |                  | •झ्वाटर्         | G                          |                    | ,    |
|   | п        |             |                  | najes•           | 1                          | · ·                |      |
|   | 10       |             |                  | Jourcys•         | 265                        | D933               |      |
| , | · C      |             |                  | .Totacs.         | 77.2                       | 400                |      |
| , | 8        |             |                  | terop and Coats, | 9,100                      | 6,010              |      |
|   | 7        |             |                  | .eofellad-of     | 198                        | 1,019              |      |
|   | 9        |             |                  | ;ре-рицијоса*    | <u> </u>                   | 6,300              |      |
|   | J.       |             | ,                | •8770            | 8,123                      | 18,136             |      |
|   | 40       |             |                  | ´ •uəx(          | . 8,783                    | 5,206              |      |
|   | 0        |             |                  | jookpa•          | 1,001                      | 2,015              |      |
|   | ŧı       |             |                  | *gonaca*         | 4,617                      | 6,383              |      |
|   |          |             |                  | ,                | =401                       |                    |      |
|   | -        |             | •                | Details,         | Beillement of Sambet 1947= | Tresent Bottlemant |      |
|   |          |             |                  |                  | Homen¢<br>Boc-01,          | eaent Bei          | ,    |
| • | 1        | 1 .         |                  | ٠.               | 1 68 C                     | l ä                | B-33 |

TAHSIL RUPBAS.

9-A.--Statement of wells by quality of water

TAHSIL RUPBAS.

No. 9 .- Statement showing details of wells, etc.

| [ [      |  |                            |                       |          | i               |                   |          |          |
|----------|--|----------------------------|-----------------------|----------|-----------------|-------------------|----------|----------|
|          |  |                            |                       |          |                 |                   |          |          |
| ន        |  |                            | Bonabee,              |          |                 |                   |          | .1       |
|          |  |                            | ä                     |          |                 |                   | •        |          |
|          |  |                            |                       |          |                 |                   |          | •        |
| 2        | овк.   | orary.                     |                       |          | Not working.    | :                 | :        |          |
| æ        | AT W   | Temporary.                 |                       |          | Working.        |                   | 22       |          |
| 30       | DHENKLIS AT WORK.                            | Pormanent.                 |                       |          | Rot working.    |                   | :        |          |
| 20       |  | Porm                       |                       |          | Workiog.        | 61                | :        |          |
| <u>a</u> | DHERS AT<br>WORK.                            |                            |                       |          | Not working.    | :                 | !        |          |
| 27       | DILE   |                            |                       |          | Working.        | 201               | 1        | <u> </u> |
| 92       |  | -                          |                       |          | υπίες 602 είτας |                   | ;        |          |
| 55       |  | -                          |                       | 1 .      | Out of working  | 220               |          |          |
| - 23     |  | Ī                          | .ug.                  | Laos,    | Saidrow fox     | 23.               | 43       | 1        |
| 22 23    |  |                            | Not working.          | -        | Not working.    | 14.<br>25.<br>0   | 8        | <u> </u> |
| 21 2     |  | CERTEN.                    | ×                     | Wells.   | Rotking.        | 610} 1            | 62       |          |
| <br>8    |  | Раввант Sattlauum.         |                       | <u> </u> | Not working.    | <u> </u>          |          |          |
| 13       | crs.   | Рания                      | New wells             |          | Working.        | , g               | -        |          |
| 19       | MASONRY WELLS.                               | -                          |                       |          | Not working.    | *                 | i        |          |
| 17       | ASONI  |                            | Old wells             | Testo    | Working.        | 12                | 61       |          |
| 16       | )<br>j                                       |                            | Working<br>since Last | ment,    | Not worklag.    | 145               | 63       |          |
| ä        |  |                            | Worl<br>since         | settle   | Vorklag.        | 433}              |          |          |
| 2        |  |                            |                       |          | Out of workiog  | £6                | Ł.       |          |
| 13       |  | unt                        |                       | Laos.    | .Zaidsow tok    | <u> </u>          |          |          |
| = =      |  | Lier Settenunt.            | Trella,               |          | Working.        | . 23              | 8        | 1        |
| =        |  | LACT                       |                       | Wella.   | Not working.    | ;                 | . :      |          |
| a<br>—   |  | 1                          | <u>.</u>              | 1        | *RaidsoW        | 929               | <u> </u> |          |
| <u>-</u> | VELLIS.                                      |                            | Тетрегату.            | -        | Present.        | 3,053             | 1 22     |          |
| 7 8      | ACITA  | Now.                       |                       | <u> </u> | Former.         | :                 | <u> </u> | ,        |
| -        | CHANT OF RACHA WHEIS,<br>DHERS AND DHENKLIS, |                            | Pernanent             |          | Present.        | PH PH             | -        |          |
| -        | СПАН   | <del>'</del>               |                       | .1•;     | lasmilliog leca | 72                | i .      |          |
| +        | E.X.   | E de                       |                       |          | Present.        | 7,920             | 88       |          |
| 9        | CITAIL OF<br>MASONRY<br>WELLS.               | Prusunx<br>Garren<br>Mant. |                       |          | Former.         | 1,513 4,917 7,000 | , 8      |          |
|          | 57   | <u> </u>                   |                       | •        | L-st Settlement | 1,5213            | ;        | -        |
|          |  |                            |                       |          |                 | ż                 | =        |          |
|          |  |                            |                       |          |                 | 1                 | 3        |          |
| -        |  |                            | Defalla.              |          |                 |                   |          |          |
|          |  |                            | ជ                     |          |                 | :                 | ]<br>]   |          |
|          |  |                            |                       |          |                 | Kbs/ra            |          |          |
| i        | I  |                            |                       |          |                 | i.                | Mah      | <b>)</b> |

| of water.  |
|------------|
| quality    |
| wells by   |
| tement of  |
| 9. A.m.Sta |
| No. 5      |
|            |

| 58  |           |                        | Brildes. |                      |           |      |        |              |         |      |        |              |           |          |        |             |
|-----|-----------|------------------------|----------|----------------------|-----------|------|--------|--------------|---------|------|--------|--------------|-----------|----------|--------|-------------|
| 88  |           |                        |          | ·letoT               | 10,880    | 620  | 123    | :            | 633     | 36   | 1,620  | 63           | 1,310     | 83       | 14,180 | 780         |
| 23  | 12.       |                        |          | Chabi former,        | 3,619     | 169  | 12     | <u>.</u>     | 241     | 83   | 575    | ន            | 371       | 18       | 4,817  | <b>60</b>   |
| 23  | TOTAE.    | •                      | guasa:   | Chahl temporary pr   | 1,611     | 20   | 3      | :            | 1       | 0    | 140    | 1            | Đ         | :        | 1,658  | 13          |
| ı;  | Ì         |                        | -taoes   | Chahi permanent p    | 6,757     | 410  | 203    | :            | 202     | 10   | 802    | 20           | 043       | :        | 0,011  | 603         |
| 20  |           |                        |          | Chahi lormer.        | :         | 1    | :      | :            | i       | 3    | :      | :            | :         | :        | Ξ {    | 1           |
| 10  |           | Δυπ.                   | *311083. | Chohi temporory pr   | 22        | i    | , :    | :            | ż       | :    | :      | E            | :         | :        | 22     | ŧ           |
| 18  | _         |                        | ·puosa.  | Chabi permanent pi   | er        | :    | :      | ŧ            | :       | ŧ    | :      | :            | :         | Ŧ        | n      | :           |
| 17  | DHENKLIB. | RANY.                  |          | Not vorking.         | ,         | :    | :      | :            | :       | ŧ    | :      | :            | ` E       | ŧ        | :      | i           |
| 16  | וום       | Тпигонану.             |          | .Zulking,            | 25        | ፡    | i      | :            |         | :    | ;      | ፥            | i         | i        | 25     | ÷           |
| 16  |           | HENT.                  |          | Not working.         | :         | 1    | ī      | :            | :       | i    | ŧ      | ŧ            | i         | :        | £      | i           |
| 1.8 |           | Рвансинят.             |          | .Baiz1077            | ta .      | :    | ŧ      | ;            | :       | i    | :      | ŧ            | ;         | 1        | co     | ì           |
| ž.  |           |                        |          | Chahi tormer.        | :         | 3    | :      | i            | ;       | ſ    | i      | ı            | :         | :        | 1      | ï           |
| g   | '         | Δυπν.                  | •juos:   | Chabi temporary pre  | 1,119     | 138  | :      | :            | :       | :    | 128    | ŧ            | 67        | :        | 1,250  | 18          |
| 11  | кнам.     |                        | tasent.  | Chabi permeasat pr   | င်း       | :    | :.     | :            | 1       | :    | :      | ı            |           | <u> </u> | ည      | 3           |
| g   | F1        | nun<br>F               |          | Not working.         | :         | :    | :      | :            | :       | :    | ı      | ı            | ;         | :        | :      | E           |
| a   |           | Nounna<br>or<br>walle, | ,        | Working.             | 207       | :    | :      | :            | :       | :    | 22     | ı            | 67        | :        | 237    | ;           |
| 8   |           |                        |          | .13m101 idedO        | 8,018     | 180  | ដ      | :            | 231     | 28   | 575    | 25           | 371       | 18       | 4,817  | 260         |
| -   |           | Азва.                  | ,tasi    | Chahi temporany pre- | 267       | 62   | :      | :            | 1       | 9    | 12     | -            | 67        | :        | £8     | ٥           |
| 0   | 1         |                        | *4#36    | Chahi permenent pre  | 6,710     | C17  | 200    | :            | 207     | E    | 802    | <sup>8</sup> | EFFO      | :        | 7,970  | 200         |
| 19  | MASONRT.  |                        | Laos.    | Not working.         | 165       | -    | -      | ;            | ο σ     | :    | E      | :            | °         | -        | [ [ ]  | 8           |
| 45  | B         | Wells.                 | н        | Working.             | 613       | 35.5 | =      | :            | 38      | °    | 8      | 64           | 8         | :        | 813    | 154         |
| 6   |           | W                      | Wells.   | Not working.         | 112       |      |        | :            | 50      | :    | 25     | :            | *         | -        | 145    | -           |
| 83  |           |                        | <b>E</b> | Working.             | 4853      | 122  | °      | :            | 88      | 13   | 1 22   | -            | \$        | :        | 610    | fe          |
|     |           |                        |          |                      |           | į    |        | ŧ            | :       | •    | -      | :            | :         | ŧ        |        | <b>'</b> \$ |
|     |           |                        |          | :                    | •         | :    | :      | 1            | :       | 1    | ;      | :            | :         | 1        | :      |             |
| -   | Details.  |                        |          |                      |           | 2    | 1      | 3            | 1       | i    | ] :    | ŧ            | :         | :        | =      | :           |
|     |           |                        |          |                      | . (Khalsa | Man  | Khales | ZIIO<br>Ziga | CKhulsa | HATE | Khales | ma<br>E      | H (Khalea | E Mad    | Khalea | NOT<br>Dem  |

TAHSIL OOCHAIN. No. 1.—Area Statement.

| 33     | }              |                  | ,leioT                              | 18,206          | 46,971                | 1          | 28,708                | 35,888                   | 3               | 5,630                  | :        | :                 | 5,256                   | 1               | 53,6 60                | 1        |                   | 41,147                  |
|--------|----------------|------------------|-------------------------------------|-----------------|-----------------------|------------|-----------------------|--------------------------|-----------------|------------------------|----------|-------------------|-------------------------|-----------------|------------------------|----------|-------------------|-------------------------|
| 21     |                |                  | Rpvtiji.                            | :               | 200                   | :          | 200                   | 603                      | 1               | *                      | :        | :                 | Ġ,                      | ı               | 203                    | :        | :                 | 516                     |
| E      | Ваглана.       |                  | •idairaB                            | :               | 480                   | :          | 480                   | 415                      | :               | 50                     | E        | :                 | 48                      | :               | 230                    | :        | :                 | 193                     |
| 23     | B              |                  | Former.                             | :               | 14,317                | :          | 14,417                | 14,609                   | :               | 3, 163                 | :        | :                 | 2,306                   | :               | 17,036                 | :        | ;                 | 17,575                  |
|        |                |                  | Present.                            | 18,200          | 31,767                | :          | 13,581                | 20,270                   | :               | 2,143                  | į.       | ï                 | 2,200                   | :               | 33,936                 |          | :                 | 22,569                  |
| 20     |                |                  | Former.                             |                 | :                     | :          | :                     | :                        | f               | :                      | :        | :                 | :                       | :               | ;                      |          | :                 | ;                       |
| 13     | Nauri.         |                  | Present.                            | :               | :                     |            | :                     | 2,314                    | ;               | :                      | <br>     | ) :               | 2                       | :               |                        |          |                   | 2,423                   |
| 18     | 4              |                  | Chabi Yohrl                         | ;               | :                     | :          | <br> <br>             | 311                      | :               | :                      | :        | i                 | 7                       |                 | ;                      | :        | <u> </u><br> <br> | 326                     |
| 12     | اا             |                  | Temporary Cha-<br>Language present. | :               | i i                   | <u> </u>   | 163                   | 1,172                    |                 | :                      | <u> </u> | ;                 | 158                     |                 | 102                    | :        | ,:                | 1,310                   |
| 92<br> | Сімпі Ватвава. | sderied :        | Chahl former and<br>present.        | :               | 1,255                 | :          | 1,255                 | 1,103                    | :               | 8                      | ;        | 1                 | ಜ                       | :               | 1,314                  |          | ;                 | 1,195                   |
| 15     | Char           |                  | Present.                            | ;               | 0,571                 | · .        | 6,571                 | 0,873                    | :               | 778                    | :        | . :               | 1,738                   | ;               | 7,385                  | :        | <u> </u>          | 11,613                  |
| =      |                |                  | Tesent Tracquell,                   | :               | 205                   | ]<br> <br> | 202                   | 437                      | :               | E .                    | :        | :                 |                         | :               | 230                    | :        | :                 | 518                     |
| 13     | CHAHI.         | BAT.             | Former                              | 7,651           | 6,771                 | 883        |                       | 4,00,4                   | <u> </u>        | 1,0,13                 |          | ;                 | 47.7                    |                 | 7,813                  | 1 .;     | ;                 | 4,611                   |
| EI     |                | Parkinant        | Present.                            | 30,265          | 17,003                | 20,865     | <u> </u>              | 17,2318                  | :               | 4,319                  | ,        | <u> </u><br> <br> | 3,579                   |                 | 21,112                 |          |                   | 21,100                  |
| =      |                |                  | New fallow,                         | 49,201          | 6,713                 | 42,691     |                       | 22,165                   | :               | 1,673                  | :        | 3                 | 2,921                   | :               | 7,780                  | -        | <u> </u>          | 25,620                  |
| 10     | •£9.           | regord etc.      | 8 Боказаглан тэліО                  | 801             | 1,618                 | ,          | 157                   | 800                      | ;               | 93                     | :        | :                 | . 32                    | :               | 1,113                  | ;        | :                 | 1,033                   |
| 9      |                |                  | Total nacultivated.                 | 49,175          | 72,209                |            | 22,823                | 03,168                   | 1               | 8,237                  |          | :                 | 2,600                   |                 | 86,595                 |          |                   | 72,827                  |
| 80     |                |                  | Caltarable waste.                   | 27,73           | 63,609                | :          | 25,836                | 46,683                   | :               | 0,030                  |          | :                 | 0,200                   |                 | 515,03                 | ,        |                   | 52,028                  |
| -      |                | BABEE.           | Огрств,                             | 15,322          | 16,233                | 5,650      | :                     | 16,010                   | :               | 1,351                  | 1        | :                 | 1,303                   | :               | 11,581                 | ,        | 7                 | 11,433                  |
| 0      | UNCULTURABLE.  | UNCULTURABLE.    | Hills.                              | 5,001           | 6,834                 | "          | 1,833                 | 0,831                    |                 | 18                     | :        | :                 | 16                      | :               | 0,811                  | , ;      | ;                 | 6,844                   |
| 10     | UNCULT         | ebanyks.         | Bank                                | ]               | 1                     | :          |                       | i                        | <br> <br>       | i                      |          |                   | :                       | ,               | :                      | :        |                   | :                       |
| -      |                | State Persenges. | thand.                              | 1,376           | 1,022                 | <u>"</u> . | 22                    | 1,628                    |                 | :                      | ;        | :                 | i                       | ,               | 1,023                  | ŧ        | i                 | 1,023                   |
| 3      |                |                  | Total area.                         | %               | 2,03,421              | 1          | 1,0,1                 | 2,03,623                 | 31,208          | 29,377                 | 1,691    | :                 | 29,378                  | 2,33,976        | 3,32,000               | 850      | :                 | 2,33,000                |
|        |                | Teriol.          | ,                                   | Last Bettlement | Sambat 1955 - 1699-56 | Decrease   | Difference (Thereases | Sambat 1936 = 1839-1000, | Last Settlement | Sawbat 1055 == 1803.96 | Degrense | Increase          | Sambat 1956 = 1890.1900 | Last Settlement | Sambat 1955 == 1899-09 | Decrease | Increase          | Sambat 1950 - 1899-1900 |
| -      |                |                  | Detaile                             | 1               |                       | -eiled     |                       | <u></u>                  | T               | , <u>m</u>             | 7118     |                   | ر ت                     |                 |                        | Total.   |                   | <del></del> _           |

TAHSIL OOCHAIN,

No. 1,—Area Statement—contd.

| 47     |  | Кпаж.     |           | .391a77 10        | 18 13           | 11 . 72                | 1               | 6                    | •                     |                 | • :                    | i        | :                     |                         | i               | ;                     | :         | :              | .        |
|--------|--|-----------|-----------|-------------------|-----------------|------------------------|-----------------|----------------------|-----------------------|-----------------|------------------------|----------|-----------------------|-------------------------|-----------------|-----------------------|-----------|----------------|----------|
| 40     | DEPTH.                                       |           |           | To mater.         |                 |                        | i               |                      | :                     | i               | :                      | i        | :                     | i                       | i               | :                     | :         | ;              |          |
| 45     | DE   | Masoner.  |           | ,191cm ló         | . 18            | 15                     | 8               | :                    | :                     | :               | :                      | :        | 1                     | ì                       | i i             | :                     | 1         | i              |          |
| 41     |  | MAIK      |           | Tovater.          | 15              | 18                     |                 | ε,                   | 1                     | :               | ş                      | :        | :                     | :                       | ;               | . :                   | ī         | :              |          |
| 43     | Виникия.                                     |           |           | Temporaty.        | 12              | 41                     | :               | 13                   | 423                   | :               | ï                      | ī        | ì                     | 6                       | 27              | 17                    | ·         | 14             |          |
| 43     | Дин  |           |           | Permavent.        | :               | 13                     | :               | 10                   | 14                    | :               | 61                     | :        | 69                    | 4                       |                 | 16                    | :         | 15             |          |
| 14     |  |           |           | Not mothing.      | н               | 14                     | :               | 52                   | 2                     | :               | ,                      | :        |                       | :                       | -               | 16                    | ı         | 14             | Ī        |
| 40     |  | 'я,       | Laos.     | ·guiároV/         | 50              | ಣ                      | 67              | :                    | 202                   | ;               | 16                     |          | 16                    | 28                      | <b>\$</b> 6     | 107                   | ÷         | 13             | j<br>    |
| 39     |  | Кили.     | Ser.      | Not not king.     | 1               | 14                     | :               | 13                   | 7                     | 1               | 1                      | ;        |                       | :                       | -               | 16                    | :         | 14             | Ť        |
|        |  | 1         | Number.   | ·Raid10W          | <b>†</b> 0      | 03                     | 61              | :                    | 201                   | :               | 16                     | ;        | 16                    | 92                      | 76              | 107                   | ŧ         | 13             | Ī        |
| 37     | WELLS.                                       | •         |           | Not working.      | 20              | 930                    | ı               | 314                  | 241                   | ဧာ              | 11                     | ï        | E                     | 22                      | 22              | 467                   | :         | 388            | ĺ        |
| 36     | W  | ynt.      | Laos.     | Working.          | 1,759           | 1,556                  | 203             | ;                    | 1,500                 | 301             | 320                    | æ        | :                     | 332                     | 2,122           | 1,881                 | 241       | ;              |          |
| 18 ·   |  | Missonny. |           | Not working.      | 2               | 268                    | ŧ               | 196                  | 300                   | ຮ               | 30                     | :        | ន                     | S                       | E               | 303                   | ï         | 622            | Ť        |
|        |  |           | Number.   | Motelog.          | 1,331           | 1,173                  | 157             | ;                    | 1,362                 | 238             | 226.                   | 13       |                       | ığ                      | 1,509           | 1,399                 | 170       | ;              | İ        |
| - E    | ,  | -         | <u> </u>  | Not working.      | 420             | 420                    | 9               |                      | 62                    | 7.2             | ı,                     | 6        | :                     | 90                      | 200             | 401                   | 6         | :              | Ì        |
| 22.23  | <u>                                     </u> | <u> </u>  |           | .lacred.          | 12.             | E                      | :               |                      | Ľ                     |                 | 150                    | ;        |                       | 20                      | :               | 2                     | :         | :              | Ī        |
| е<br>Е | GARDBNS.                                     |           |           |                   | =               | Ħ                      | :               | ı                    | =                     |                 | :                      |          | ;                     | <b>'</b> '              |                 | =                     | :         | :              | Ī        |
| 30     |  | -         |           | chaht.            |                 | 6                      |                 | *                    | 0                     |                 | ν.                     | :        | :                     | 2                       | :               | 77                    | :         | :              | Ī        |
| 28     |  | <u> </u>  |           | Total cultivated. | 1,02,801        | 10,23,502              | . :             | 20,638               | 1,15,270              |                 | 19,902                 | ,        |                       | 18,693                  |                 | 1,43,403              | :         | :              | Ī        |
| 83     | <u> </u><br> -                               | <u> </u>  | <u></u> . | Total.            |                 | 44,631                 | 2,200           | :                    | 48,857                |                 | 7,031                  |          |                       | 6,904                   |                 | 63,492                |           | :              | Ì        |
| - 42   | BARANI.                                      |           |           | .lannat radg      | :               | 3,902                  |                 | 2,903                | 3,203                 | ;               | 40                     | -        |                       | ຂ                       | ;               | 2,018                 |           | · ;            | T        |
| 20     | -  | -         |           | Baranl            | 40,740          | 41,020                 | )<br>  [[*]<br> | :                    | 39.505                | ;               | 7,905                  | ;        | :                     | 0,865                   |                 | 49,631                | :         | :              |          |
| -      | <u>                                     </u> | 1_        |           |                   | i               |                        | 1               |                      |                       | :               | :                      | ;        |                       | :                       | :               | :                     |           | . <sup>1</sup> |          |
| a      |  |           |           | Feriod,           | Last settlement | Sambat 1955 == 1699-00 | Достепно        | Difference (Increase | Sambat 1050 1809-1900 | Last settlement | Sambat 1035 == 1898-00 | Deercase | Difference { Inerease | Sambat 1050 = 1899-1900 | Last settlement | 82mbat 1055 - 1899-90 | (Decrease | Increase       |          |
| 1.     | -  |           |           | Details.          | 1 2             | 1 66                   | .aslan          |                      | <u></u>               | 1=              | J 01                   | .held    |                       | <del></del> _           |                 |                       | Tolet     |                | <u>-</u> |

TAHSIL OOCHAIN.
No. 2.—Crop Statement.

| 15       |          |         |          |                   | FT 6,180               |           | 6,483     | 6,359       | 2,003       | . 100°0        | 9,211       | K 508   |            | 0,410                    | 11,463   | 700      | 13.509               | 1,945    |
|----------|----------|---------|----------|-------------------|------------------------|-----------|-----------|-------------|-------------|----------------|-------------|---------|------------|--------------------------|----------|----------|----------------------|----------|
| 20       |          |         |          | thers.            | o . 5                  |           | 5         | 22          | 75          | 93             | 88          | 8       | 3          | S                        | 86       | 10       | 1.5                  |          |
| 22       |          |         |          | .11.              | r                      |           | 8         | 12          | 1,308       | 1,134          | 490         | 2       |            | 168                      | 600      | 33       | 1.385                | 35       |
| 23       | BA.      | , a     |          | awar and Charri.  | 1,844                  |           | 2,020     | 1,412       | 2,018       | 1,098          | 1,860       | 1 9     |            | 1,681                    | 1,555    | 146      | 1.831                |          |
| ន        | SAIRABA. | Клапір. |          | lasina.           | , E                    |           | 213       | 97          | 22          | 155            | - E3        | 1 1     |            | E                        | 480      | 98       | 2,073                | _!       |
| 22       |          |         |          | Jawa.             | 1 2                    |           | à I       | 812         | 865         | 361            | 85          | 469     | -   5      | - H                      | 1,126    | 20       | 3,676                |          |
| គ        |          |         |          | \$11/10°          | 2,123                  |           |           | 1,822       | 2,473       | 2,474          | 5,335       | 411.4   | 5          | 1000                     | 450'0    | 453      | 3,707                | -430     |
| 20       |          |         |          | otton.            | 233                    | 1         | 3         | 298         | 238         | 133            | 33          | 32      | 1 8        | 90                       | 37.5     | 23       | 125                  | 1 02     |
| 2        |          |         |          | Ided of Chabl     | 39,200                 | 28.050    |           | 32,370      | 32,209      | 23,004         | 28,579      | 33,663  | 11.86      | 1                        | 21,400   | 5,206    | 31,220               | -9,230   |
| 18       |          |         |          | -fetal.           | 20,430                 | 24.343    |           | /ogfor      | 25,153      | 20,087         | 24.231      | 22,305  | 23.801     | <del>-</del>             | 21,796   | 4,877    | 24,830               |          |
| 11       |          |         |          | ersect0           | 1,763                  | 1.730     |           | 50000       | 3,593       | 3,425          | 2,483       | 1,037   | 7277       |                          | 2,100    | 281      | 1,819                | 502      |
| 19       |          |         |          | Olleceds.         | 038                    | 048       | 1 8       |             | £           | 106            | 262         | 202     | 653        | 1                        | 224      | 132      | 888                  | 46       |
| 25       |          |         |          | Wheat and barley. | 360                    | 461       | 1         | 1           | <u> </u>    | 237            | 209         | æ       | 82         | Ť                        | 1,992    | 121      | 1,986                | 143      |
| 2        |          | RADI.   |          | Vbeat and gram.   | :                      | :         |           |             | :           | :              | :           | :       | ;          | İ                        | -        | 2,2      | က                    | =        |
| 13       |          |         |          | Barley and gram.  | :                      | :         |           |             | :           | :              | :           | :       |            | Ť:                       | <u> </u> | ន        | 89                   | <u> </u> |
| 13       |          |         |          | .mei D            | ′′:                    | :         |           |             | ;           | :              | :           | . :     | <u> </u>   | İ                        | 3        | =        | 35                   | "        |
| п        | спанг.   |         |          | Barley,           | 14,660                 | 12,431    | 12.893    |             | 50T17       | 10,281         | 19,440      | 13,892  | 12,861     | 1                        | İ        | 3,192    | 16,799               | 3,107    |
| <u>a</u> | 5        |         |          | Whent.            | 111,6                  | 9,083     | 9,187     | 9.00.4      |             | 6,733          | 4,530       | 9,231   | 7,390      | 1580                     | !        | <u> </u> | 4,507                | 1,337    |
| 6        |          |         |          | .fatoT            | 3,800                  | 4,316     | 6,703     | 0,870       |             | 3,007          | 4,358       | 1,200   | 4,250      | 105                      |          | 328      | 6,393                | 835      |
| 8        |          |         |          | Others.           | 31.4                   | 648       | 1 ag      | 1.008       |             | arat,          | 420         | 200     | 127        | 163                      | T        | 2        | 202                  | 22       |
| 4        |          |         |          | lit               | , :                    | ;         | :         | :           |             |                | :           | :       | ;          | E                        | 1 :      | 1        | 305                  | 22       |
| -        |          | Килиг.  |          | Gawar Charri.     | . :                    | :         | :         | ] :         |             |                | :           | :       | :          | °                        | ĺ        | :        | 213                  | ន        |
| 15       |          | -       |          | Masina.           |                        | :         | :         | <u>  :</u>  |             |                | :           | :       | :          | 4                        | 1        |          | 802                  | 33       |
| 3 -      |          | -       |          | Janar             | :                      | ;         | :         | :           | :           |                | :           | :       | E          | 82                       | ×        | T        | Ę                    | -381     |
| -        | N        |         |          | . Balta.          | :                      | :         | 1         | :           | 1           | <u> </u>       | <u>:  </u>  | :       | i          | 201                      | :        |          | 88,                  | 193      |
|          | 1        | 1       |          | Cotton.           | 3,492                  | 3,608     | 4,789     | 5,838       | 1.00,1      | <del>-</del> ! | 86,038      | 8       | 3,529      | 1,010                    | ) pg     |          | 2,450                | 201      |
|          | -        |         |          |                   |                        |           | :         | =           | "           |                | -           | 1       | "          | :                        |          |          | 1                    | 1        |
|          |          |         |          |                   | :                      | 3         | 1         | :           | :           |                |             |         | : !        | i                        | :        |          |                      |          |
| -        |          | 1       | Detalls. |                   | !                      | 1603.93   | 1603-04   | 1891-03     | 1605.00     | = 1896-07      | 100         | 96-/001 | :          | :                        | :        |          | :                    | 1        |
|          |          | ,       |          |                   | 201.03                 | t 1019 == | t 1939 == | n           | n           | 1953 ==        | - 1         | 1       | :          | :                        | :        | ;        |                      |          |
|          |          | ś       |          |                   | Sambat 1919 == 1291-93 | Sambat    | Sambat    | Sambat 1931 | Sambat 1953 | Sambat 1933    | Sambat 1984 |         | average    | Khales                   | Maff .   | (Khales  | . :                  |          |
|          |          |         |          |                   | Sambat                 |           | 7:        | 18I OJ G    | f6I jeqt    | urg            |             | .       | Six years. | 1 rd m<br>= 33<br>.60-60 | 01<br>01 |          | 1956<br>1956<br>1956 | ı        |

TAHSIL OOCHAIN.
No. 2.—Grop Statement—contd.

|       |                  |         | ,                 |             | ***           |             |           |          |             |                       |                    |               | ~        |              |          |
|-------|------------------|---------|-------------------|-------------|---------------|-------------|-----------|----------|-------------|-----------------------|--------------------|---------------|----------|--------------|----------|
| 83    |                  |         | Total of Baranl.  | 78,624      | 65,715        | 50,635      | 67,506    | 46,501   | 61,063      | 83,074                | 62,267             | 69,833        | 12,036 . | 60,277       | 10,905   |
| 10    |                  |         | Total.            | 34,20.4     | 10,590        | 18,818      | 22,113    | 0,278    | 2,250       | 18,696                | 12,869             | 1,686         | 243      | 1 8          |          |
| 55    | ,                |         | Others.           | 22          | Ş             | ] =         | 138       | 2        | :           | 283                   | 8                  | 88            | 1 5      | •            | <u> </u> |
| 63    |                  | 15      | .eboseiiO         | 303         | 263           | 372         | 200       | 40       | 8           | 1,030                 | 510                | 122           | 18       | "            | ;        |
| 19    |                  |         | Wheat and barley. | Ħ           | 61            | 12          | 8,        |          | ;           | 3.                    | \$                 | 0             | ;        | 01           | i        |
| 8     |                  | Rant.   | Wheat and gram.   | 129         | 205           | 277         | 1,674     | 1 E.S.   | 140         | Ş                     | 512                | 2             | :        | <u> </u>     | :        |
| 65    |                  |         | Barley and gram.  | 8,450       | 980'₹         | 3,620       | 4,017     | 2,101    | 1,423       | 3,574                 | 3,203              | 29            | 15       | :            | :        |
| 43    |                  | •       | ,                 | 25,180      | 11,165        | 0,291       | 15,377    | 3,616    | 658         | 11,164                | 8,014              | 1,241         | 150      | :            | -        |
| 47    |                  |         | Parley.           | 79          | 10            | 88.         | 320       | 53       | :           | 1,540                 | 33.                | 133           | =        | :            | 1        |
| 46    | Baranı.          |         | Wheat.            | 99          | ;             | 15          | g         | :        | :           | \$                    | 12                 | 1             | :        | :            | ·i       |
| 48    | , "              |         | .lcioT            | 41,330      | 10,025        | 46,734      | 45,163    | 40,283   | 51,903      | 04,378                | 40,308             | 09,146        | 12,594   | 66,269       | 10,904   |
| \$    |                  |         | Others.           | ŧ           | 8             | 88          | 138       | 3        | 7           | 285                   | 02                 | 403           | 22       | 585          | 25       |
| 3     |                  |         | .Til.             | 853         | 567           | 1,149       | 1,800     | 1,523    | 1,582       | 1,146                 | 1,294              | 5,176         | 818      | 6,493        | 803      |
| 55    |                  | BIB.    | Gawar Charri.     | 21.059      | 24,329        | 10,200      | 10,003    | 17,326   | 17,546      | 8,060                 | 17,258             | 0,849         | 1,285    | 7,434        | 1,429    |
| 5     |                  | Кпавів, |                   | 1,713       | 1,067         | 1,673       | 697       | 676      | 808         | 7,068                 | 2,075              | 14,708        | 3,028    | 15,253       | 2,500    |
| 9     |                  |         | . Jamel.          | 4,587       | 7,056         | 0,611       | 70,037    | 4,743    | 5,345       | 7,378                 | 7,013              | 0,049         | 1,416    | 6,255        | 138      |
| es    |                  |         | .azjeA.           | 14,335      | 12,853        | 11,818      | 16,206    | 14,790   | 24,605      | 37,055                | 10,01              | 31,160        | 5,563    | 26,066       | 1,801    |
| 88    |                  |         | , costson,        | 1,350       | 1,266         | 2,140       | 3,450     | 1,217    | 1,850       | 2,618                 | 2,075              | 2,901         | 483      | 3,294        | \$       |
| 37    |                  |         | Lotel of Saireba. | 23,008      | 20,495        | 23,290      | 20,070    | 11,625   | 20,556      | 28,327                | 28,881             | 39,002        | 2,766    | 25,685       | 2,611    |
| 88    |                  |         | .laioT            | 17,822      | 15,012        | 17,016      | 22,077    | 15,521   | 11,355      | 22,733                | 17,411             | 27,439        | 1,067    | 12,376       | 8        |
| 100   |                  |         | ershi0.           | 305         | - E           | 333         | 22        | 997      | 305         | 22                    | 320                | 1,142         | 19       | 1,502        | -        |
| 8     |                  |         | .mbssefiO         | 810         | 1 25          | 1,270       | 785       | 116      | 8           | 926                   | 630                | 1,596         | 134      | 8            | 3        |
| 83    | BAIRAB <b>A.</b> | Banr.   | Wheat and barley. | 88          | 321           | 208         | 31        | 164      | 687         | 12                    | 235                | 2,070         | 265      | 1,856        | 103      |
| 23    | ВАТ              | Ŕ       | Barley and wheat. | 701         | 615           | 1,035       | 2,425     | 01,      | 201         | 1,409                 | 1,121              | 3 3,051       | 95       | ä            | 238      |
| =<br> |                  |         | Burley and gram,  | 7,221       | 6,700         | 091'9       | 0,650     | 0,860    | 3 0.373     | 025,11                | 1,182              | 1 7,338       | 7 381    | 3,005        | 141      |
| 8     |                  | ,       | Gram.             | 3,769       | 3,631         | 4,410       | \$,16     | 3,639    | 3 1,003     | 3 2,539               | 3,364              | 2 4,591       | 7 137    | 3 1,700      | 22       |
| 9     |                  |         | . Barloy.         | 705         | 5 628         | 049         | 1,177     | FF .     | 238         | 3,913                 | 9 1,312            | 3 3,000       | 3 467    | 3 1,188      | -12      |
| 23    |                  |         | Wheat.            | 4,221       | 3,536         | 3,954       | 0,710     | . 2,841  | 300         | 1,190                 | 3,359              | 1,743         | 463      | 073          | 38       |
|       |                  |         |                   | 3           | <br>5         | 8(          | 56        | 96       | :  <br>     | 80                    | ÷                  |               | :        | =            | •        |
|       |                  |         | <u></u>           |             | = 1692-03     | = 1893-04   | - 1891-05 | = 1603 9 | = 1896-97   | Bambat 1958 = 1597.08 | :                  | Ξ.            | :        | :            | !  ,     |
| -     |                  |         | Dotails,          | n 1891-93   | Sambat 1919 . | Sambat 1950 | 1001      | 1053     | Sambat 1053 | bat 1958              | rerage             | J.a           | : .      | lsa          | :        |
|       |                  |         |                   | Sambat 1049 | Eaml          |             | Sambut    | Eambat   |             | - Bam                 | Six years' average | Khalea        | nan      | Khalen       | Nat.     |
|       |                  |         | •                 | e .         | l             | 750         | it 07 676 | l ładme8 |             | l                     | Blr                | # 25<br>#*qui | 48 J     | Jada<br>= 00 | 01       |

TAHSIL OOCHAIN.

No. 2.-Crop Statement-conold.

| 1 20 67  | 0.5  |  |                                     | 15  | 1 1                | 69            | 8        | 0        | 59     | 93           | <b>3</b> | 26     | 8      | 49                    | 8                | g                  | 20        | 2        | - <u>1</u> | 73.                  | 2                    | 12          | . 78    |          |
|--|--|--|-------------------------------------|---|--------------------|---------------|----------|----------|--------|--------------|----------|--------|--------|-----------------------|------------------|--------------------|-----------|----------|------------|----------------------|----------------------|-------------|---------|----------|
|  |  |  |                                     |   |                    |               |          |          | ]      |              |          |        | 101    | TOTAL.                |                  |                    |           |          |            |                      |                      |             |         |          |
| Entair,  | Kniate,  | Entate,                                | Entatr,                             | Knate,                                      | Kninte,            | Knamer.       |          |          |        |              |          |        | i      |                       |                  |                    |           | Bebl     | -          |                      | -                    | -           | -       | -        |
| Dollon.  Jajira.  Jasius.  Garar Charri.  Th.                    | Jajra, Jajra, Jajra, Jasius, Genar Charti,         | Jajra,<br>Vasius,<br>Gentar Charti,    | Jajra,<br>Vasius,<br>Gentar Charti, | Varies.<br>Vasius.<br>Ganar Chartl.<br>Til. | Veslus.            | 17.T          | 17.T     |          | 1      |              | VDeat.   | Barley | mc19.  | ,<br>Barley and gram. | .maig ban fesdVI | ·telred ban tashVi | .ebseallO | .stelito | .Lofa].    | Total both harycets. | Area double cropped. | Collivated. | cp*pr   | Sairaba. |
| 10,457 4811 1,094 33,503   |  | 6,101 16,457 4811 1,094 23,603         | 10,457 4.811 1,094 23,503           | 4811 1,994 23,603                           | 811 1,094 23,603   | 23,603        | 1        | 15.76    | . •    | 465 62,385   | 13,427   | 16,328 | 28,058 | 16,701                | 828              | 466                | 1,760     | 2,081    | 78,540     | 156,15,1             | 28,069 1             | 1,92,981    | 30,200  | 18,219   |
| Sambat 1910 = 1692-03 6,212 14,835 4,892 2,170 26,319 917        | - 1602-03 6,212 14,688 4,692 2,170 20,310          | 6,212 11,835 4,892 2,170 26,319        | 14,635 4,892 2,170 26,319           | 4,892 2,170 26,319                          | 2,170 26,313       | 26,319        |          | 210      |        | 700 68,823   | 12,910   | 13,000 | 14,830 | 19,986                | 9                | 77.4               | 1,279     | 2,00,2   | 50,946     | 1,14,860             | 16,607               | 90,173      | 29,969  | 16,663   |
| Sambat 1080 = 1803-01 ,,, 7,305 13,619 10,523 1,821 29,738 1,863 | = 1803-01 , 7,205 13,610 10,523 1,821 20,738 1,863 | 7,205 13,610 19,123 1,821 29,738 1,803 | 13,610 10,123 1,821 20,738 1,863    | 10,123 1,821 20,738 1,863                   | 1,821 20,738 1,863 | 20,738 1,863' | 1,863    |          | 1,00,1 | 76,787       | 13,154   | 13,563 | 10,701 | 0,780                 | 1,312            | 727                | 2,493     | 8,736    | 55,401     | 1,12,248             | 11 866 1             | 1,00,393    | 30,496  | 20,037   |
| Bambat 1051 = 1504-05 10,086 18,709 7,335 523 18,111 3,109       | = 180£-05 10,086 18,709 7,335 523 18,111 3,109     | 19,066 18,769 7,335 522 18,111 3,109   | 18,709 7,335 523 18,111 3,109       | 7,335 622 16,111 3,109                      | 18,111 3,109       | 16,111 3,109  | 3,109    |          | ( 🖺 )  | 1,030 60,011 | 1 16,402 | 12,665 | 18,611 | 10,697                | 4,009            | 181                | 2,415     | 4.074    | 80,973     | 1,28,984             | 23,073               | 1,05,011    | 32,200  | 23,901   |
| Sambat 1863 - 1886.60 3,311 17,270 6,007 830 19,021 2,017        | c 1805.00 3,311 17,270 6,007 630 10,021            | 3,311 17,270 6,007 630 10,021          | 17,270 6,007 630 10,021             | 120'01 018 200'9                            | 830 10,924         | 10,021        |          | 21.0     | 1,083  | 183 49,291   | 1 8,574  | 10,570 | 7,255  | 8,901                 | 1,143            | 401                | 022       | 3,901    | 41 880     | 91,180               | 6,769                | 61,412      | 23,001  | 20,459   |
| Sambat 1053 = 1686.07 0,093 30,200 6,503 791 10,400 2,540        | = 1886.07 9,093 39,300 5,593 791 19,400            | 0,033 30,200 6,503 791 10,400          | 30,200 6,503 701 10,400             | 6,503 781 19,400                            | 781 10,400         | 10,400        |          | 640      | . "    | 465 95,372   | 3 5,445  | 16,078 | 3,661  | 7,795                 | 797              | 1,104              | 303       | 2,789    | 37,836     | 1,93,208             | 6,737                | 01,471      | 28,570  | 10,998   |
| Sambat 1061 = 1897-09 3,563 41,109 7,847 7,133 0,411 1,229       | =1897-09 , 3,563 41,103 7,847 7,133 0,411          | 3,569 41,169 7,647 7,133 0,411         | 41,100 7,647 7,133 0,411            | 7,847 7,133 0,411                           | 7,847 7,133 0,411  | 0,411         |          | 223      | i      | 685 71,233   | 13 8,463 | 19,345 | 13,703 | 15,024                | 1,838            | 98                 | 2,882     | 2,409    | 63,823     | 1,95,985             | 20,606               | 1,14,470    | 26,125  | 26,126   |
| 61x years' averago 6,000 22,065 7,616 2,208 19,639 2,063         | .,, 6,040 22,065 7,616 2,208 18,639                | 6,000 22,065 7,516 2,208 19,839        | 22,055 7,515 2,208 18,639           | 7,616 2,208 18,639                          | 2,208 18,639       | 18,639        |          | 963      | ۳ .    | 820 CO,088   | 8 10,775 | 14,307 | 11,408 | 10,474                | . 1,673          | 803                | 1,703     | 3,177    | 54,171     | 1,14,350             | 14,454               | 30,506      | 27,798. | 21,163   |
| Kbales 4,924 37,984 8,193 16,739 8,413 5,991                     | 6,021 97,003 8,702 16,733 6,413 6,031              | 4,021 97,003 8,103 15,730 8,413 5,031  | 97,001 8,103 15,730 8,413 5,091     | 8,103 15,739 6,413 5,091                    | 16,739 6,413 5,091 | 6,413 5,031   | 160'3    |          | 1 3    | 1,980 82,220 | 0 19,771 | 14,958 | 5,737  | 7,561                 | 3,130            | 3,177              | 2,208     | 3,379    | 69,920     | 1,33,140             | 9,647                | 1,23,593    | 23,980  | 33,643   |
| Mád 1723 0,010 1,617 5,120 690                                   | 723 0,010 1,617 0,020                              | 723 0,010 1,617 9,121 1,420            | 0,010 1,617 5,430                   | 1,617 3,120                                 | 8,121 1,430        | 1,43ô         | <u> </u> | 890      |        | 125 13,833   | 3 1,667  | 3,686  | 301    | 419                   | 8                | 386                | 208       | 343      | 7,088      | 20,008               | 90¢                  | 10,012      | 6,169   | 2,260    |
|  | 6,175 33,303 10,631 17,609 0,490 8,163             | 6,475 33,303 10,631 17,609 0,490 8,188 | 33,303 10,631 17,669 0,450 8,188    | 10,631 17,609 0,450 8,168                   | 17,609 0,490 8,168 | 9,450 8,158   | 8,168    | <u> </u> | 1 3    | 1,506 80,171 | 1 5,459  | 10,897 | 1,701  | 8,903                 | eg               | 3,842              | 1,224     | 3,316    | 37,210     | 1,23,390             | 6,029                | 1,16,301    | 29,023  | 24,232   |
| Mad 723 6,429 1,745 2,003 1,683 1,055                            | 723 6,429 1,745 2,003 1,093                        | 723 6,429 1,745 2,003 1,093            | 6,429 1,745 2,903 1,693             | 1,745 2,003 1,093                           | 2,003 1,693        | 1,683         | , ,      | 290      |        | 146 13,084   | 4 1,372  | 3,481  | 8      | 183                   | 263              | 192                | 140       | 300      | 896'6      | 19,753               | 1,059                | 18,093      | 5,877   | 2,476    |
|  |  |  |                                     |   |                    |               |          |          | 1      |              |          |        |        |                       |                  |                    |           |          |            |                      |                      |             |         | *        |

No. 3 .- Statement of realisations and balances from Sambat 1912 to Sambat 1956.

| 1,                                    | 1                |     | 2             | 3         | 4                                       | 5        | 6                    | 7                   |         | В               | 9                   | 10       |
|---------------------------------------|------------------|-----|---------------|-----------|---|----------|----------------------|---------------------|---------|-----------------|---------------------|----------|
| ,                                     | ,                |     |               | .   E     | eritted ob                              | EEDUOED. | Balan                | CB.                 | JAM     | Y OF BESUN      | ED AREA.            |          |
| Name of Jea                           | r.               | •   | Total domand. | Renlised. | Remitted.                               | Reduced. | Bealised up to date. | Balance up to date. |         | Realised.       | Balanco up to date. | Behares. |
| · · · · · · · · · · · · · · · · · · · |                  |     | Bs.           | Rs.       | Rs.                                     | Rs.      | Rs.                  | Re.                 |         | Rs.             | Rs.                 |          |
| )12=1855- <b>5</b> 6                  | •••              | -   | 98,853        | £18,8@    |   |          |                      |                     |         | 47              |                     |          |
| 915=1858-59                           | ه محمدی بروسیونی |     | 99,782        | 09,782    |   |          |                      | •••                 |         | 45              | •••                 |          |
| 018 <b>=</b> 1801- <b>0</b> 2         | 201 A            |     | 1,05,374      | 1,05,374  |   | •••      |                      |                     |         | . 68            |                     |          |
| 1928=1671-73                          | `4.,             |     | 1,24,054      | 1,24,054  | •••                                     | •••      | <b></b>              |                     |         | 209             | ***                 |          |
| 1939 = 1882-83                        |                  | -   | 1,74,993      | 1,79,589  | *************************************** |          | 2,965                | 2,                  | 339     | 5,771           | 7                   |          |
| 1947=1990-91                          | سعه مجست مس      |     | 1,72,373      | 1,58,964  | 6++                                     |          | 1,53                 | 7 11                | ,875    | 24              |                     |          |
| 1949=1891-99                          | ****             |     | 1,79,373      | 1,04,029  |   |          | 37                   | 3                   | ,371    | 208             | 8                   | <b>.</b> |
| 1949=1892-93                          |                  |     | 1,63,066      | ,1,60,587 | 111                                     |          | 1,3                  | 46                  | 5,133   | ,6G3            | 21                  | 7        |
| 1950=1893-94                          | a1               | •10 | 1,67,906      | 1,62,853  |   |          | 8                    | 90                  | 4,355   | ,520<br>        | ,34                 | 7        |
| 1951=1894-95                          |                  | ,,, | 1,67,979      | 1,60,939  |   |          | 1,3                  | 07                  | 5,793   | <sub>1</sub> 57 | 1                   | 3        |
| 1952=1695-96                          |                  |     | 1,69,218      | 1,18,113  | 111                                     |          | 6,                   | 308                 | 44,727- | 50              | 1 1                 | 95       |
| 1953=1896-97                          | ,,,              | ••• | 1,68,956      | 1,18,21   |   |          | - 25,                |                     | 27,455  | .1,25           | )5 2                | C3       |
| 1954=1897-99                          | •••              |     | 1 1 70 429    | .1,62,41  | 9                                       |          |                      | 436                 | 6,675   | .8              | 46                  |          |
| 1955=1899-99                          | •••              | ,   | 1,7171        | 7 1,59,9  | B5                                      |          |                      | _                   | 12,732  |                 | 85                  | 8        |
| 1956=1699-1900                        |                  |     |               | ,         |   |          | ***                  |                     |         | ***             | ***                 |          |

TAHSIL OOCHAIN.

|  |     | ſ              |              |            |             |                |                                 |              |               |          | - :                            | xxvi    | iii      |                 |             |               |         |          |              |
|--|-----|----------------|--------------|------------|-------------|----------------|---------------------------------|--------------|---------------|----------|--------------------------------|---------|----------|-----------------|-------------|---------------|---------|----------|--------------|
|  |     |                | 18           |            |             | Пакаяка,       |                                 | Khai         | *111118B*     | Mag.     | 1                              | Khalen. |          | •               | e e         |               |         | ;        | ,            |
|  |     | =              | :            |            |             | edgig 1:       | nate pe                         | Rs, A. P.    | T             | _ A      | T                              | 8 5 Wh  | 7        | 1               | 3 2 Khalsa. | $\overline{}$ | Mag.    | 7 Khales |              |
|  |     | 2              |              |            |             |                | Prico.                          | Rs. R        |               |          | +                              | 162 8   | <u> </u> |                 |             | 1             | :       | ] =      |              |
|  |     | 51             | -            |            | Salug.      | -              |                                 | 749          | 1             | :<br>    | _                              | 10      |          |                 | 142         |               | :       | 2,517    | :            |
|  | •   |                |              | .          |             | .batedi        | Uneul                           |              | 1             | !        |                                |         | 1        |                 | ឆ្ន         |               |         | . 802    | ;            |
|  |     | -              | FROM 1600 co |            |             | -tolod.        |                                 | 1,305        |               | ;        |                                | 13      | :        | 1               | 23          | <del> </del>  |         | 1.482    | <del> </del> |
|  |     | 13             | A.A.         |            |             | t per Bigha,   | Hate                            | .3 1 8       |               | 5        | <u> </u>                       | 1 14 16 | 315      | 1               | 87          | 4 8           | 1       | σ,       | 0            |
| toanes.                                |     | E2             |              |            | 1986.       | tigage money.  | no 200                          | 8,109        | 16.296        |          | 1 5                            |         | 555      | +               | 652         | 1,162 50      | 1       | 2 13     | 36 3         |
| ind Mos                                |     | =              |              | ;          | Alorigioss, | .boltfrafed.   | ın a                            | 603          | <br> <br>  :  | _        | 259                            |         | ŧ,       | 1               | 182         |               | 1       | . 10,163 | 12,613       |
| f Sales                                |     | 9              |              |            | 1           | .belavilla     | 5                               | 1,787        | 100           | _        | 208                            | +       | 101      | <u> </u>        | 112         | :<br>         |         | 1,344    | £            |
| No. 4 Statement of Sales and Mortgages | -   | ,  -           |              | _          | 1           | ate per Bigha. | 1                               | <u> </u>     | ,<br>12<br>43 |          | - 0                            | 1       |          |                 |             |               |         | 3,226    | 200          |
| 4.—Sta                                 | -   | -              |              |            | -           |                | l ag                            |              | 210 2 6       | 1        | 0 13                           |         | ;        | 2.5             |             | į             |         | 1 1 8    | 2 0 8        |
| No,                                    | 1   | -              |              | Sares.     | -           | •asir9         |                                 | E9//e1       |               |          | 67.6                           |         | :        | 216             |             | :             |         | 14,031   | 240          |
|  | -   |                |              |            | _           | Unenltivated,  | 4.313                           |              | 31            |          | 215                            |         | :        | , 12            | +           | :             |         | 4,678    | 52           |
| ,                                      | °   | 1780           |              |            |             | Califyaled.    | 7,64                            |              | 88            |          | 922                            |         |          | 5               | +           | :             | . 8.601 |          |              |
|  | 15  | FROM 1855-1890 |              |            | •ध्यः       | Rate per Big   | Rs. A. P.                       | T            | 9 14 16       | <u> </u> | 5 6 6                          | 113 4   | +        | 5 15 1          | -           | _             |         |          |              |
|  | ~   |                |              | dns.       | 'Louot'     | Nortgago n     | Bs.<br>72,852                   |              | 1,037         |          | 3,051                          | 8       | 1        | 0,840           | 1,503 31 15 |               | 53 4 10 | H        | _            |
|  | 53  |                |              | Moricadns, | -po         | Uncultivat     | 6,625                           | 5            | ;             | •        |                                | Ħ       | -        | 200             |             | 1             | 83,053  | 3,661    | _ -          |
|  |     |                |              |            | 1           | Caltivated     | 16,067                          | 55           | _             | 907      | _                              | £3      | <u> </u> | 693             | 9.          |               | 0.100   | 33       |              |
| -                                      | - - |                | 1            |            |             |                |                                 | <u> </u><br> | 1             |          | 1                              |         | 1        |                 |             |               | 11,159  | 271      | ] .          |
| -                                      |     |                |              | Je.        |             |                |                                 |              |               |          |                                |         |          |                 |             |               |         |          | -            |
|  |     |                |              | Detaile,   |             |                | rs of the san                   |              |               | •        | of other vill                  |         |          | :               |             |               | Total   | ·        |              |
|  | 1   |                |              |            |             |                | To ramindars of the same wifene |              |               |          | To zamindars of other villages |         |          | To mony-lenders |             |               |         | i        |              |
|  |     |                |              |            |             |                |                                 |              |               |          | A                              | I       |          | Топ             |             |               |         |          |              |

No. 6 .- Statement showing rent by class of soil (khalsa.).

| <del></del>                     |                |              |            |         |        | 3     | 4           |          | 5                  |              | 6     | l      | 7        |             |   | 8        | _   |
|---------------------------------|----------------|--------------|------------|---------|--------|-------|-------------|----------|--------------------|--------------|-------|--------|----------|-------------|---|----------|-----|
|                                 |                |              |            |         | Слеп   | BLAT. |             |          |                    |              | OWNER | B BRAI | RE OF CR | OP,         |   |          |     |
| ,                               | Detail         | 5.           |            | Arca.   | Ren    | nt.   | Bate per bi | gba,     | Menial's<br>of cro | share<br>ps. | Area. |        | Share    | p           |   | Bekarke, | مجد |
| Chabi perma                     | ancut present  | ****         |            | 5,6     |        | Rs.   | Es. A       |          | ***                |              | ***   |        | ***      |             |   |          | -   |
| Chahi permai                    | nent and Saira | ba Present   | <u> </u>   | . 55    | 1,     | ,364  | 3 6 1       | 1        | ***                |              |       |        | ***      |             |   |          |     |
| Chahi tempor                    | ary present    | ***          |            | 11:     | 1      | 192   | 111 1       | 5        | ***                |              | •••   | - -    | ""       |             |   |          |     |
| Chahi tempora                   | ry and Sairab  | a present    |            | 18      | 1      | 17    | 1 4 11      |          | 4+4                |              |       |        | ***      | -           |   |          |     |
| That former                     | #11            | ***          | <br>       | 1,621   | 8,00   | 9     | 111 8       |          | 111                |              | 141   |        | ***      | 18,003      |   |          |     |
| hahi former an                  | d Sairaba pres | ent          | •          | 104     | 213    |       | 200         |          | •••                |              |       |        | ***      | 8,691 4,675 |   |          |     |
| •                               | Former         | 411 <u>.</u> |            | 4,240   | 4,969  |       | 1 2 9       |          | 144                |              |       |        | )··)     | )<br>       |   |          |     |
| iraba                           |                | •••          | -          | 7,022   | 12,205 |       | 107         |          | •••                |              |       |        |          | ام سا       | • |          |     |
| The street of the street,       | Khatili        | ···          |            | 217     | 938    |       | 1 13 7      |          |                    |              |       | •1     |          |             |   |          |     |
| rani                            | Barishi        | •,,          |            | 271     | 831    |       | 1 3 7       |          |                    |              | -     | i.     |          |             |   |          |     |
| andread and supplementations or | Barani         |              | ··· <br> - | 15,971  | 10,819 | 1     | 10          | <i>j</i> | !                  | *1           |       | ۳.     |          |             |   |          |     |
| or Earsol                       | ***            |              |            | 1,333   | £23    | 0     | 10 B        | 9.0      |                    |              |       | ţ11    |          |             |   |          |     |
|                                 | T              | otal         |            | \$7,930 | ef013  | 1     | 7 2         | 121      |                    | ***          | -     |        |          |             |   |          |     |

No. 6-A .-- Statement showing rents by class of soil (mafi).

| 1                                  | 2     | 3          | 1.                    | 5                          | ) 6        | 7            | 8                           | 9        |
|------------------------------------|-------|------------|-----------------------|----------------------------|------------|--------------|-----------------------------|----------|
| -2."                               |       | CASH BEST. | <del></del>           |                            | Owner's Se | ави ор Свор. |                             |          |
| Details.                           | Area, | Rent.      | Bate<br>per<br>Higha. | Menial'a shate<br>of crop. | Area.      | Sbars.       | By Fixed<br>crops<br>share. | Remiers. |
| ahi permanent presont              | 3,027 | Bs. \$,295 | Ba. A. P.             | ot,                        | { }        | 9<br>234 }   | 350                         |          |
| ahi permanent und Sairaba prosent. | 163   | 335        | 3 4 3                 | top                        | ***        |              | 640                         |          |
| ahl temporary present              | 14    | 11         | 0 13 7                | <b></b>                    |            | ***          | 111                         |          |
| altemporary and Sairaba present    | •••   | ***        | 110                   | 101                        | HI         | esb          | <b>210</b>                  |          |
| former                             | 623   | 682        | 116                   | s                          | 05         | ***          |                             |          |
| ormer and Sairaba present          | 11    | 6          | 078                   |                            | •н         | 616          | ***                         |          |
| Former                             | 2,023 | 1,991      | 0 15 9                | 111                        | ".         | ***          | ***                         |          |
| aba Now '                          | 959   | r 1,455    | 184                   |                            |            |              | 110                         |          |
| Khatili                            |       | 4          | 100                   | ۸,                         | ***        | ***          | ***                         |          |
| Barishi                            |       | . 8        | 1 8 0                 | uı.                        | 611        | in           | •••                         |          |
| Barani ,                           | 4,73  | 8,857      | 0 13 2                | in                         |            | 4            | . ,                         |          |
| 3hur Barani                        |       | ***        | *10                   |                            |            |              |                             |          |
| Total en                           | 10,54 | 12,570     | 181                   | 691                        | E : 1      | 233 }        | 950                         |          |

#### No. 7.—Statement showing ownership by tribes and tenures.

|                    |                       |                 | No      | OF OWN   | 331.   |   | 1              |           |                              |                                |                                   |                         | 1     |            |
|--------------------|-----------------------|-----------------|---------|----------|--------|---|----------------|-----------|------------------------------|--------------------------------|-----------------------------------|-------------------------|-------|------------|
| No of<br>Villages. | Tenures.              | Leading tribes. | Present | Absent.  | Total. | No. of<br>proprie<br>tary<br>hold-<br>ings. | Total<br>area. | Cuiti-    | Jama<br>in the<br>past year. | No. of<br>tenancy<br>roldings. | No. of occup-<br>sucy<br>teonots. | No. of tenants at will. |       | BEWARKS.   |
| 1                  | Zamindari Khalis {    | Jat             | _       | 130      | 403    | 143   | 11,065         | 7,451     | 11,930                       |                                |                                   | . "                     | (1)   | (1)-Khalsa |
|                    | Zaminuari Zuaris}     | Siosaowar "     | 279     | 11       | 200    | 60  | 9,115          | 7,319     |                              |                                |                                   |                         | (2)   | (2)—Mag.   |
| 16)                | Zamiudari Joint       | Other Jats      | 1,769   | 610      | 2,109  | 601   | 70,120         | 47,908    | 62,317                       |                                |                                   |                         | (1)   |            |
| 2)                 |                       |                 | 134     | 19       | 153    | 42  | 1,003          | 841       |                              |                                |                                   | ***                     |       |            |
| 15                 | Perfect Pattidari     | Rajput .        | 203     | 34       | 237    | 23  | 24,588         | 13.515    | 18,017                       |                                |                                   | ,                       | (3)   | •          |
|                    |                       |                 | 1       |          |        |   |                |           |                              |                                |                                   |                         | (2)   |            |
| 437                | (                     | Brahaman Bagri  | 664     | 280      | 1,144  | 211   | 38,167         | 21,359    | 35,824                       | <u></u>                        |                                   |                         | (1)   |            |
|                    | Imperfect Pattidari ( |                 | 88      |          | 39     | 49  | 11,018         | 5,277     |                              |                                |                                   |                         | (2)   |            |
| 6                  | l                     | Gujar           | 737     | 223      | 960    | 237   | 42,266         | 22,751    | T. 20,311                    |                                |                                   |                         | -(1)  |            |
|                    |                       |                 | 7       | 5        | 12     | 1   | 2,353          | 1,663     |                              |                                | ·,                                |                         | (2)   |            |
|                    | ,                     | Lodha           | { 174   | 44       | 218    | 37  | 5,024          | 4,393     | 0,378                        |                                |                                   |                         | (1)   |            |
| •                  | Perfect Bhayachara    |                 | ا<br>-ا |          |        |   |                |           |                              |                                |                                   |                         | (2)   |            |
|                    |                       | Kachi           | 25      | 7        | 32     | 0   | 793            | 415       | '716                         |                                |                                   | •••                     | (1)   |            |
|                    |                       | Mina            | 47      | 20       | 67     | 3.  | 605            | 535       | £03.                         |                                | ***                               |                         | (2)   |            |
| G                  | Imperfect Bhayachara  | Dhakur          | 11      | 1        | . 66   | 22  | 244;           | 230       | 331                          | ,                              |                                   | \!                      | (1)   |            |
|                    |                       |                 |         | <b>5</b> |        | •••   | 833            | 710       | ,                            |                                | •                                 |                         | `(2)  | • •        |
| 2 (                | ſ                     | Sayads          | 5       | ·        | 5      | g   | 362            | 210       | 243                          | <b></b> .                      | •••                               |                         | (1)   |            |
| -                  | Pattidari Bhayachara  |                 | 401     | i.,      | 491    | 10:   | 3,614          | 2,875     |                              |                                |                                   | •••                     | (2)   | •          |
| 1                  |                       | Gaddi           | 1 -10   | 55       | 173    | 10  | 1,864          | 647       | 1,500                        |                                |                                   |                         | (1)   | •          |
|                    |                       | .'.             |         |          |        |   | <br>           |           |                              |                                |                                   |                         | (2)   |            |
|                    | •                     | Othera          | 63      |          | 70     |   | 1,673          | 1,103     | 1,630                        |                                |                                   |                         | ~(1)  |            |
| 1                  |                       | <del> :</del>   | 165     | `        | 165    | 70  | 1,346          | 1,191     |                              |                                |                                   |                         | (2)   |            |
| 4                  | Kham                  | Kham            |         |          |        | ·   |                | 2,072     | 4,008                        |                                |                                   |                         | (1)   | •          |
|                    |                       |                 |         |          |        |   |                |           |                              |                                |                                   |                         | (3)   |            |
| 1                  | State property        | State           | 1 1     |          |        | ,   | 2,735          | · · · · · | • **•                        |                                |                                   |                         | (1)   |            |
|                    |                       |                 |         | <u> </u> |        |   |                |           |                              |                                | -                                 | ··· ·                   | (2)   |            |
| 63                 | Grind Louis           | Total           | 4,423   | 1,429    | 5,851  | 1,312                                       | 2,03,717       | 1,23,593  | 1,72,705                     | 6,509                          | COO                               | 7,051                   | (1) · | · 🕶        |
| 7                  | •••••                 | W1014           | 1,114   | 35       | 1,140  | *33G  | 29,232         | 19,912    |                              | 1,022                          | . 27                              | 1,143                   | (2)   | :          |

No. 8,—Statement of cattle, carts, population.

| 23   |             |                  | REMARKS.        | <br>a                          |                   |                          |
|------|-------------|------------------|-----------------|--------------------------------|-------------------|--------------------------|
| 22   |             | <del></del>      | Grand Total.    | 40,660                         | 43,112            | +2,782                   |
| ឧ    |             | 2                | Eemales.        | 18,370                         | 20,220            | +1,880                   |
|      |             | TOTAL.           | hiples,         | 22,281                         | 23,213            | + 833                    |
|      | JON.        | ATOBS.           | Eemojes.        | 0,050                          | 3,430             | -3,620                   |
| 17   | POPULATION. | Non-cultivators. | ylojea          | 9,140                          | 3,703             | -4,333                   |
| 16   |             |                  | Females.        | 11,429                         | 16,799            | +6,370                   |
| . 15 |             | CULLIVATORS.     | Noles.          | 14,135                         | 19,510            | +5,375                   |
| . 22 | <u> </u>    | <u> </u>         | Curts           |                                | 331               | +267                     |
| 13   | -           |                  | .fctol.         | 723                            | 828,838           | +20,015                  |
| 13   | -           |                  | Comeja•         | . \$                           | 33                | #                        |
| -    |             |                  | Nales.          | 1                              | :                 | 3                        |
| . 01 | _           |                  | Donke5s.        | 124                            | 1,241             | +820                     |
|      | _           |                  | Horace.         | 620                            | 049               | 89                       |
| -    |             |                  | heep and gosts. | 5,014                          | 6,663             | e40°6+                   |
| -    |             |                  | •*30[silad-\$]  | 628                            | e e               | +2,265                   |
| -    |             |                  | e-prilujoes.    | 300%                           | 9,756             | +6,161                   |
| -    | 10          |                  | *8400           | 14,162                         | 17,268            | + 3,096                  |
| -    | 4           |                  | •π9:            | x0 - 55                        | 12,056            | +6,280                   |
| -    |             |                  | олбра•          | 7d                             | 4,63              | +707                     |
|      |             |                  | ·naca•          | οH & φ.                        | 386,0             | +710                     |
| -    | 1           |                  | Detalls.        | Beillement Sambat 1937-1996-91 | regent gettloment | Difference 417 1.14 1.1. |
|      | 1 1         |                  |                 | Besti.                         | , and a           | B-37 A                   |

No. 9.-Statement showing details of wells, etc.

|  |                            |                       | Renance. |                |                |               | •                                     |
|--|----------------------------|-----------------------|----------|----------------|----------------|---------------|---------------------------------------|
| ковк.  | j                          |                       | Ran      |                | _              |               |                                       |
| DIENKLIS AT WORK,                            |                            |                       |          |                |                |               | `                                     |
| ENKL   | THE T                      | Ī                     |          | Not working.   | :              | <del></del> 1 | (                                     |
|  | Твигопавх.                 |                       |          | Working.       | 4              |               | :                                     |
| _  | Раквант.                   |                       |          | Not working.   | :              |               | :                                     |
|  | Ган                        |                       |          | .Yorking.      | 13             | <del></del>   | 63                                    |
| DREES AT WORE,                               |                            |                       |          | Not working.   | 77             |               | · · · · · · · · · · · · · · · · · · · |
| - A  | <u> </u>                   |                       |          | Vorking.       | 60             | • ]           | 10                                    |
| -  |                            |                       |          | Juder construc | σ.             |               | 4                                     |
| -  |                            |                       | 1        | Apoid to Tao   | 420            |               |                                       |
|  |                            | .6.                   | Laos.    | .Boidrow dold  | 00s            |               |                                       |
| -  |                            | Not working.          |          | Not notking.   | 0 1,656        |               | ນ<br>ຄ                                |
| -  | LBYBYT                     | ) %                   | Wells.   | Paid10W        | 1,174          |               | 8                                     |
|  | Persent Settishent.        |                       | <u> </u> | Not working.   |                | <u> </u>      | , t                                   |
| eles.  | Passzi                     | Now wells             | Runa     | Worklog.       |                | <u> </u>      | :                                     |
| nx wa  |                            |                       |          | Not working.   | :              | <u> </u>      | ; ;;                                  |
| MASONRY WELLS.                               |                            | Old wells             |          | Vorking.       | 60             |               |                                       |
|  |                            | Working<br>since last |          | Not working.   | ;              |               | :                                     |
| ],   |                            | Wor                   |          | Worklog.       | 1,296          |               |                                       |
|  | .                          |                       |          | oid sow to suo | 806            |               | 77                                    |
|  | LABY SHITCHMANT.           |                       | Laos.    | Not working.   | ŧ .            |               | E .                                   |
|  | S TE                       | 17elle.               |          | Working.       | - 258          | , ]           | 361                                   |
|  | LA                         |                       | Wells.   | Working.       |                | ·             | <u> </u>                              |
| S.T.S  |                            | ŕ                     |          | Former.        |                |               | 238                                   |
| A WEL  | ا ن                        | Temporary.            |          | Present.       | 307            |               | - <b>5</b>                            |
| CHAILI OF KACHA WELLS<br>DHERS AND DHENKLIS, | Now.                       |                       |          | Former.        | 22<br>53<br>53 | · /           | ij                                    |
| HI OF  |                            | Present.              |          | Present.       | 022            | ·             | 8                                     |
| CHAI   |                            |                       | .10      | Last S. tilenc | i              |               | £                                     |
| OF<br>Shy                                    | Parabut<br>Satta-<br>Rant, |                       |          | Present.       | 7,771 23,013   |               | 6,072                                 |
| CHAIR OF<br>MASONRY<br>WELLS,                | - E.Q. x                   | _                     |          | Former,        | 15.<br>17.     | ·             | 1,050                                 |
|  | <u> </u>                   | <del></del>           |          | Last settlemen | 37,637         | -             |                                       |
|  |                            |                       |          |                |                |               |                                       |
|  |                            | <u>.</u>              |          |                |                |               | ;<br>,                                |
|  |                            | Detail.               |          |                |                |               | ī                                     |
|  |                            |                       | ۳        |                | . •            |               | -                                     |
|  |                            |                       |          |                | Paleans        |               | Mad                                   |

TAHSIL OOCHAIN.

No. 9-A,-Statement of wells by quality of water.

| 1    | 1          | •          |              |                          |           | •        |          | •        |             |           |          |          |          |          |
|------|------------|------------|--------------|--------------------------|-----------|----------|----------|----------|-------------|-----------|----------|----------|----------|----------|
|      |            |            |              |                          | 1         |          |          | •        |             |           |          |          |          |          |
|      |            |            |              |                          | Ì         |          |          |          |             |           |          |          |          |          |
| 26   |            |            |              | Ввильке.                 |           |          |          |          | •           |           |          |          |          |          |
|      |            |            |              | <b>ш</b>                 |           |          |          |          |             |           |          |          |          |          |
|      |            |            |              |                          |           |          |          |          |             |           |          |          |          |          |
| 24   |            |            |              | Total,                   | 16,860    | 3,887    | E E      | 12       | 7,080       | 2,462     | 8,895    | 168      | 8,208    | 6,270    |
|      |            |            | :            |                          | 5,200 15, | 8. 828   | 8        | 17       | 1,430 7.    | 320       | 1,318 8, | 81       | 8,026    | 1,101 6, |
| 23   | Torat.     |            |              | Chabi former.            | 236 5,    | 22       | <u> </u> | <u> </u> | 38          |           | \$ 1,1   | ~        | 8 60     | 11.      |
| 22   |            |            |              | Chahi temporary present. |           | i<br>!   | 131      | -        | 55          |           |          | 792      | <u> </u> | <u> </u> |
| 21   |            |            |              | Chahi permanent present. | 10,416    | 2,249    | <u> </u> | :        | 6,592       | 2,122     | F69'2    | <u> </u> | 23,673   | 6,138    |
| - 30 |            |            | <del></del>  | .19mrol fdrdO            |           | :        | i        | <u> </u> | :           | :         |          | :        |          | :        |
| 10   |            | Апвл.      |              | Chabi temporary present. | 46        | :        | :        | :        | -           | :         |          | :        | <b>8</b> |          |
| 18   | .18.       |            | ,            | Chahi permanent present. | 4E.       |          | 1        | :        | :           | :         | :        | :        | 14       | •<br>    |
| 17   | DHENK LIS. | Триговану. |              | Not working.             | i         | :        | 1        | :        | 1           | <u> </u>  | :        | :        | :        | 3        |
| 16   | đ          | Trace      |              | Working.                 | Q.        | :        | :        | i        | :           |           |          | :        | =        | i        |
| Ħ    |            | RENT.      |              | Not working.             | :         | :        | į        | <u> </u> | :           | ı         | :        | :        | :        | :        |
| 22   | !          | PRESENT.   |              | .guid10V                 | 13        | 6        | i        | 3        | ;           | ī         | :        | ŧ        | 13       | e        |
| 13   |            |            | <del></del>  | Chahi former.            | 256       | a .      | į        | :        |             | :         | ;        | :        | 255      | н        |
| 13   | }          | Апп.       |              | Chahi temporary present. | 29        | 9        | 1        | :        | i           | :         | ន្ល      | :        | 23       | -        |
|      | KHAM.      |            |              | Chahi permanent present. | 413       | 8        | i        | ;        | 195         | :         | 139      | ı        | 7.15     | 00       |
| 2    | ×          | OF WELLS.  |              | Not working.             | 18        | -        | :        | :        | :           | :         | ;        | ŧ        | 11       | -        |
| G    |            | No. 07 W   |              | Vorking.                 | 89        | 51       | ;        | :        | 13          | ;         | =        | ı        | 8        | 16       |
|      | -          |            | <u> </u><br> | Chabi lormer.            | 4,951     | 615      | 8        | 11       | 1,43        | မြန္မ     | 1,316    | 120      | 7,771    | 1,090    |
| 1 2  |            | Ana4.      |              | Chabi temporary.         | 136       |          | :        | :        | 20          | Ħ         | 12       | 60       | 127      | 13       |
|      |            | V          |              | Chabi permanent present. | 0.890     | 9,163    | 182      | ;        | 6,307       | 2,122     | 7,396    | 707      | 22,911   | 5,072    |
|      | MARONRY.   | -          | <u> </u>     | .norking.                | 178       | 20       | 6.7      | -        | 72          | 1 21      | 138      | ie 3     | 393      | - 44     |
| 4    | MARC       |            | Laos.        | Working.                 | 720       | <u> </u> | <u> </u> | <u>'</u> | 350         | 127       | 400      | 5        | 1,555    | 320      |
|      |            | WBLES.     |              | 'salilion to's           | 137       | 22       | 69       | -        | \$          | 9         | 83       | 18       | 266      | 30       |
|      |            |            | Wells.       | Moteing                  | 09        | 132      | 9        | :        | 252         | 7.0       | 315      | 3,       | 1,171    | 222      |
|      |            | 1          |              |                          | i         | <u> </u> | 1        | i        | · · ·       | ;<br>;    |          | i        | :        | -        |
|      |            |            |              | 17 A.                    | :         |          |          | I.       | ŀ           | ī         | :        | 1        |          | ı        |
| -    |            |            |              | Partoulars.              | ,         |          | ,        |          | iles        |           | ē.       |          | ılsa     | e e      |
|      |            |            | •            | • •                      | r CEhalsa | - And    | Khalen   | (alad    | Khalsa<br>É | H. J. Mah | Fishalta | E Stan   | Khalsa   | Fo Mag   |
| 3    | 1          |            |              |                          |           |          |          |          |             |           |          |          |          |          |

TAHSIL BIYANA, No. 1.—Area Statement.

| 28   | 1              |                  | .le20T                           | .18,411            | 17,734                                 | 410      | ,<br> <br> | 14,086                                 |
|------|----------------|------------------|----------------------------------|--------------------|--|----------|------------|--|
|      |                |                  |                                  |                    | £80                                    |          | 089        | 1,101                                  |
| 2    |                |                  | Kbatilit.                        | :                  |  | :<br>    |            | 1                                      |
| g    | Вагалид.       |                  | , delisod                        | :                  | 1,827                                  |          | 1,827      | 1,201                                  |
| នួ   |                |                  | Former.                          | :                  | 3,216                                  | 1        | 3,216      | 2,907                                  |
| rs I |                |                  | Present.                         | 18,111             | 12,103                                 | 0,300    |            | 6,917                                  |
| 20   | rai.           |                  | Former.                          | :                  | 986                                    | :        | 88         | 188                                    |
| 13   | NAHRI.         |                  | Present                          | :                  | <b>1</b> 23                            | :        | 461        | 3,006                                  |
| 18   |                |                  | Срайі Марті,                     | ŧ                  | Present 330<br>Former 10p<br>Total 608 | i        | 203        | Hal 998<br>Sabika 1,113<br>Total 3,111 |
| 11   | BA.            | *1nssoro         | Temporary chabl and Sairada y    | :                  | 130                                    | ī        | 136        | 100                                    |
| 10   | спані заівава. |                  | Chabi former, Sairada present,   | i                  | 121                                    | ŧ        | 121        | 62                                     |
| 16   | СПА            |                  | Present,                         |                    | 2,163                                  | 1        | 2,463      | 3,673                                  |
| 11   |                |                  | Temporary present.               | i                  |  | ı        | 158        | 1,304                                  |
| st   | спані.         | Nant.            | Former.                          | 7,658              | 7,580                                  | 8        | <b>:</b>   | 6,267                                  |
| t1   |                | Prailener.       | Present.                         | 44,830             | 80,003                                 | 8,746    | ŧ          | 35,658                                 |
| ıı   |                |                  | wor fallow.                      | 42,133             | 11,633                                 | 30,600   | :          | 19,431                                 |
| 10   |                | .11              | reqorq otal2 oldasesesana rediO. | 1,780              | 2,401                                  | :        | 015        | 2,475                                  |
| G    |                | ,                | Total vvenlifezied.              | 2,93,125           | 3,15,438                               | :        | 21,313     | 3,00,484                               |
| 80   |                |                  | Culturable waste.                | 86,732             | 76,184                                 | 6,518    | i          | 69,088                                 |
|      |                | Оясоглавайся.    | Of pers.                         | 63,028             | 66,807                                 | ŧ        | 22,589     | 84,700                                 |
| •    | омсистовавье.  | Uscut            | Hilla.                           | 1,49,015           | 1,62,337                               | :        | 4,352      | 1,52,307                               |
| 8    | DECULT         | State Perserves. | ,iancū                           | 1                  | i                                      | :        | :          | į                                      |
| 4    |                | STATE PR         | Bung•                            | 020                | Si<br>Si                               | 8        | ı          | 530                                    |
|      |                |                  | Total area.                      | 4,71,005           | 4,70,433                               | 1,173    | ŧ          | 4,70,433                               |
|      |                |                  |                                  | ŧ                  | Į.                                     | :        | . !        | :                                      |
| 3    | ,              |                  | Perlod, -                        | f. Laut selliement | Sambat 1855≈1699-00                    | Proces.  | C Increase | . gambat 10561590-1900                 |
| 1 -  | }              |                  | Dotaulu.                         |                    |  | "ERFEST" |            |  |

TAHSIL BIYANA.
No. 1.—Irea Statement—contd.

| •      |   |          |                |                   | źxxi            | X                       |            |          |                       |
|--------|---|----------|----------------|-------------------|-----------------|-------------------------|------------|----------|-----------------------|
| 87     | ,   |          | Brease.        |                   |                 | ,                       |            |          |                       |
| 7.5    |   | Кили.    |                | Of water.         | 13.             | 8                       | 1          | 1 2      | :                     |
| \$     | :<br>:::::::::::::::::::::::::::::::::::: | . Ku     |                | To water.         | នូ              | 8                       | 13         | :        | .:                    |
| ₩.     | DEPTH.                                    | KBY.     |                | .10 mater.        | 11              | 02                      | 1          |          |                       |
| 2      |   | MARONBY. |                | • 1930W OT.       | 50              | 52                      | •          | :        |                       |
| £3.    | cris.                                     |          | . <del>.</del> | Temporary.        | ø               | -22                     |            | <u> </u> | 416                   |
| इ      | <b>Д</b> ивикате.                         |          |                | Present.          | M               | 7 7                     | :          | . 8      | 20                    |
| 4      | 2   |          | •              | Not working.      | H               | 5                       | ·          | 9        | \$50                  |
| Q.     | 1   | ,<br>,   | Laos.          | Working.          | 702             | ęza)                    | 170}       | :        | 738                   |
| S.     | i   | Киам,    |                | Not working.      | -               | \$                      | ·:         | \$       | £73                   |
| 88     |   |          | Mo.            | Working.          | 766             | 613%                    | 173        | 1        | 725                   |
| 37     | Wells.                                    |          | ,              | Not working.      | :               | 128}                    | :          | 128}     | 2003                  |
| 52     | 1   | ,        | Laos.          | Working.          | 2,510}          | 2,210                   | \$102      |          | 2,3478                |
| 150    | 1   | Maconer. |                | Not working.      | i               | 1955                    | :          | 105      | 1.00                  |
| 84     | 1   | A        | 170.           | Working.          | 1,933           | 1,77614                 | rte<br>191 | :        | 1,85613               |
| 83     |   |          |                | Not working.      | 340}.           | 303                     | E          | 144      | 2073                  |
| 33     | 1   |          | <u> </u>       | , Baraal,         | 35              | 75                      |            | er l     | 3                     |
| ъ<br>Б | Gandens.                                  |          | <del></del>    | Sairaba,          | :               | 4                       |            | :        | i                     |
| 90     | . 9 .                                     |          |                | Chahl.            | . 33            | 33                      | 021        | i        | 77                    |
| 82     |   | <u> </u> | ,              | Total caltivated. | 1,34,383        | 1,41,982                | :          | 7,000    | 1,41,064              |
| 23     |   |          |                | Total,            | 63,414          | 76,503                  | :<br>      | 13,068   | 76,393                |
| 22     | Babani.                                   |          | 100000         | Bhur Barsol,      | :               | 15,678                  | ı          | 14,078   | 13,834                |
| 202    |   |          | ı              | Baraal,           | 63,444          | 61,824                  | 1,096      | <b>:</b> | 01,650                |
| a      |   |          | Period         | 17                | Last cettlament | <br>Sambat 1006=1998-09 | CDGGGBB    | Increase | Sambat 1050-1699-1000 |
|        |   |          |                | Details.          | <u> </u>        |                         | -Aritak    |          |                       |

No. 1.-- Area Statement-contd.

|         |                |                  |                                 | XI              |                     |   |                 |                                    |
|---------|----------------|------------------|---------------------------------|-----------------|---------------------|---|-----------------|------------------------------------|
| 22      |                |                  | JefoT                           | :               | 18,843              |   | :               | 1,718                              |
| 21      |                | <u> </u>         | Khatill                         | :               | 88                  | I                                       |                 |                                    |
| 83      | Вагвала.       |                  | Adeiret                         | i               | 260                 | :                                       |                 | 89                                 |
| ន       |                |                  | Former                          | ŧ               | 890                 | i                                       | 1               | 908                                |
| TZ      |                |                  | Present                         |                 | 1,647               | ŧ                                       | ;               | 888                                |
| eg<br>S | i l            |                  | Former.                         | \ <b>:</b>      | 8                   | :                                       | :               | ç                                  |
| 61      | NAURI,         |                  | Present                         | :               | 239                 | ı                                       | :               | 1,266                              |
| 18      |                |                  | Сраді Мард.                     | ŧ               | . 231               | E E                                     | ŧ               | Hal 170<br>Sabika 374<br>Total 541 |
| 17      | <b>V</b>       | present.         | Temporary Chahi and Salraba     | :               | 6                   | :                                       | :               | 138                                |
| 16      | Сялпі влівава. |                  | Chahl former Sairaba present.   | :               | 22                  | ī                                       | i               | -                                  |
| 15      | Ca             |                  | Present.                        | :               | 208                 | :                                       | :               | 720                                |
| 74      |                |                  | Temporary present.              | <b>:</b>        | . 27                | :                                       | <b>:</b> .      | 151                                |
| 13      | снант.         | · HBXT.          | . Рогшег.                       | :               | 1,170               | :                                       | <b>:</b>        | 070                                |
| 13      |                | Репилият.        | Present,                        | :               | 5,968               |   | :               | 6,897                              |
| Ħ       |                |                  | Vev fallov.                     | •               | 1,100               | :                                       |                 | 2,020                              |
| 10      |                | ·£1.             | Other unassessable State proper | •               | ş                   |   | ŧ               | 46                                 |
| 6       |                |                  | Total anendivated.              | :               | 0,054               | . :                                     |                 | 0,182                              |
| 6       |                |                  | Culturable waste.               | :               | 4,010               | :                                       | :               | 8,926                              |
|         |                | Uncurronance.    | Others.                         | :               | 2,728               | <u> </u>                                | <b>:</b>        | 2,640                              |
| •       | UNCULTURABLE,  | Тясти            | , alii e,                       | I               | 2,610               | ŧ                                       | i               | 2,616                              |
|         | UNCULT         | Втати риквивене. | Baani.                          | :               | .1                  | :                                       | i               | 1                                  |
| *       |                | STATE P.         | Band.                           | :               |                     | i                                       |                 | :                                  |
| -       |                |                  | Total area.                     | 36,067          | 30,701              | , |                 | 30,798                             |
|         |                |                  |                                 | ;               | :                   | i                                       | 1               |                                    |
| 1       |                |                  | Parlod.                         | Last seillement | Sambat 1655—1668-69 | <u></u>                                 | Differ Increase | . Sambat 1060—1560-1900            |
| 1       | l              |                  | Detalla                         |                 |                     | PIATE.                                  |                 |                                    |

No. I .- Area Statement-contd. TAHSIL BIYANA.

| ,    |          | . :            | ٠.       | 4                 |                 | ,                                     | 1         |                                       |                       |
|------|----------|----------------|----------|-------------------|-----------------|---------------------------------------|-----------|---------------------------------------|-----------------------|
| 89   |          |                | Ramanke. | •                 |                 |                                       |           |                                       |                       |
| \$7. |          | KRAM.          |          | ,1e1e7, 10        | i               | :                                     | i         | :                                     | :                     |
| 9    |          | <u>₩</u>       |          | To water.         | ;               | ! '                                   | :         | :                                     | :                     |
| 3    | DEPTH.   | Млионнт.       |          | ,191cn 10         | :               |                                       | i         | :                                     | :                     |
| 44   |          | MAB            |          | To valer.         | . :             | :                                     | :         | :                                     | :                     |
| 2    | EL18.    |                |          | ·Temporary.       | :               | n                                     | 1         | 67                                    | 60                    |
| 43   | Опанкля. |                |          | Present           | :               | -                                     | :         | -                                     |                       |
| - 15 |          |                |          | Not working.      | Ē               | 5                                     | :         | 0                                     | 18                    |
| \$   |          | ŕ              | Laos.    | .Vorking.         | ę\$             | . £                                   | <b>5</b>  | :                                     | 20                    |
| 30   |          | Кпам,          |          | Not working.      | :               |                                       | :         | 60                                    | <b>6</b> 1            |
| 98   |          |                | No.      | Working.          | <b>\$</b>       | \$ T                                  | 7.        | ŧ                                     | 40                    |
| 46   | Wells.   |                | *        | Not working.      | :               | # # # # # # # # # # # # # # # # # # # | i         | i i i i i i i i i i i i i i i i i i i | \$5                   |
| 38   |          |                | Laos.    | Morking.          | 429\$           | 305                                   | 159       | ŧ                                     | <b>C</b> 23           |
| 35   | :        | Masorer.       | ,        | Not working.      | . :             | ers.                                  | ŧ         | TE .                                  | \$2                   |
| 3.5  |          |                | Ãо.      | Vorking.          | . 66<br>4 66    | 27413                                 | 500<br>20 | •                                     | +locz                 |
| 33   | :        |                |          | Not working.      | <b>497</b>      | 3                                     | 44        | :                                     | #5                    |
| . 33 |          | <del>, ,</del> | :,       | , laszell         | :               | C\$                                   | ŧ         | :                                     | ĝ.                    |
| - 31 | Сларвин. | •              | ì        | ,edazie8          | ı               | ŧ                                     | Ī         | :                                     | :                     |
| 30 · |          |                |          | Сравъ             | . :             | 70                                    | i         | i                                     | 67                    |
| 20   |          |                |          | Total cultivated. | :               | 10,487                                | :         | i                                     | 10,343                |
| 28   |          |                |          | Total.            | :               | 8,691                                 | ì         | ₹ .                                   | 7,800                 |
| 27   | Barani.  |                | ,        | Bhar Baraul.      | 3               | 1,068                                 | ŧ         | :                                     | 1,050                 |
| 26   | 117      |                |          | Bareal            |                 | 7,633                                 | :         | :                                     | 6,813                 |
|      |          |                |          |                   | ŧ               | ŧ                                     | •         | 1                                     | :                     |
| 2    | -        |                | Perlod.  |                   | Last estiloment | Sambat 1055—1908-00                   | Decress   | Dicresso                              | 81mbat 1056—1509-1000 |
| -    |          |                |          | Details.          | H               |                                       | Medic     |                                       | <del></del>           |
| 1 -  |          |                |          |                   |                 |                                       | •         | в3                                    | 9                     |

в--39

No. 1.-- Area Statement-contd.

|            |               |                    |                               |                 | *                   |            |          |                       |
|------------|---------------|--------------------|-------------------------------|-----------------|---------------------|------------|----------|-----------------------|
| 23         |               |                    | Total,                        | ŧ               | 20,877              | :          | :        | 15,604                |
| 7          | }             | •                  | Краепјј                       | :               | 027                 | . : .      | <b>:</b> | 1,164                 |
| <b>a</b>   | Вагнава.      |                    | "tdelrati                     | į               | 2,077               | ;          | :        | 1,854                 |
| 2          | -             |                    | Former.                       | :               | 6,123               | :          |          | 0,813                 |
| 12         |               |                    | Present.                      | :               | 18,749              | 3          | :        | 0,483                 |
| <u></u>    | <u></u>       |                    | F012087.                      | :               | 420                 | ;          | :        | 218                   |
| 22         | Naun.         |                    | Present.                      | :               | 693 .               | ! <u>.</u> | !<br>:   | 4,270                 |
| 18         | 1             |                    | Своћі Харлі.                  | 1               | 240                 | Ē          | ŧ        | 2,655                 |
| 12         | ١,٠           | Juesent.           | Temporary Chabl and eairaba   | :               | 170                 | !<br> <br> | 1        | 63.                   |
| 10         | Опли вагвава. |                    | Chabi lormer sairada present. | •               | 146                 | ŧ          | ŧ        | ಜ                     |
| 21         | ő             |                    | Present.                      | •               | 8,769               | ÷          | :        | 4,393                 |
| 7          |               |                    | Temporary present.            | :               | 035                 | :          | :        | 1,468                 |
| 13         | снані.        | NEMT.              | Former.                       | :               | 8,759               | :          | :        | 7,240                 |
| 13         |               | Ряпиливит          | Present.                      | :               | 41,090              | į.         | i        | 41,683                |
| n          |               | <u>'</u>           | wollat we N                   | i               | 12,642              | :          | :        | 31,451                |
| or<br>Or   |               | ı <b>tı</b> ,      | oforg etail oldssessann redio | :               | 2,441               | :          | :        | 2,621                 |
| 0          |               |                    | Total anealtareble.           | ŧ               | 3,24,902            | 1          | :        | 3,16,000              |
|            |               |                    | ojesw olderożłod              | :               | 70,784              | 1          | <b>:</b> | 73,014                |
| <b>b</b> - |               | <b>Тиопитивани</b> | Others.                       | ŧ               | 928'89              | . :        | <b>!</b> | . 87,340              |
| 6          | инсигтивавге. | URORI              | Hills.                        | =               | 1,65,013            | i          |          | 1,66,013              |
|            | UNCULT        | Bilts preserves.   | ,<br>Juocg                    | 1               | :                   | ŧ          | ŧ        |                       |
| -          |               | Ed SITIG           | ,bau&                         | 1               | 062                 | ŧ          | ŧ        | , 200                 |
|            |               | _                  | Tolal area.                   | ro ro           | 5,01,183            | 1,439      | :        | 5,01,143              |
|            |               |                    |                               | :               | i                   | ŧ          | :        | ŧ                     |
| *          |               |                    | Perlod.                       | Lact settlement | Sambat 1035-1699-09 | Cocresso   | Jacesto  | Sambit 1065—1809-1000 |
| -          |               | -                  | Defails,                      | 1               |                     | Tora       |          |                       |
|            |               |                    |                               | 1               |                     |            |          | •                     |

TAHSIL BIYANA.

No. 1.--Area Statement-concid.

|            |                  |          |            |                   | xliii                                 |                     |          |     |                       |
|------------|------------------|----------|------------|-------------------|---------------------------------------|---------------------|----------|-----|-----------------------|
| ,          |                  | ,        | , .        | · · • ·           |                                       |                     |          |     | ¥                     |
| 8 <b>3</b> |                  |          | . Веклики. |                   |                                       |                     |          |     | . ′                   |
| 47         |                  | ž        |            | Of water.         | i                                     | :                   | :        | :   | :                     |
| \$6        | . •              | Kuau.    |            | .191an oT         | i                                     | :                   | :        | :   | :                     |
| \$\$       | DEPTH.           | Maborex. |            | or water.         | £                                     | <b>.</b>            | . :      | ·   | i                     |
| 45         |                  | MABI     |            | ·                 | : ,                                   | :                   |          | :   | ;                     |
| â          | <b>K</b> 218.    |          |            | Temporay.         | တ                                     | . 26                | :        | 23  | 537                   |
| £.         | <b>Dиницы</b> в. |          |            | Presont,          | ^                                     | 75                  | :        | . # | ä                     |
| 2          |                  |          | •          | Not working.      | н                                     | 63                  | 1        | 62  | 7.7                   |
| 40         |                  | <b>,</b> | . Laos.    | .Vorking.         | 841                                   | f99                 | 111      | Ŧ   | 1388                  |
| 8          |                  | Кпаи.    |            | Not working.      | я                                     | 83                  | :        | g   | 42                    |
| 8          |                  |          | Ño.        | Working.          | , 33                                  | 983                 | 186      | į   | 822                   |
| 33         | WЕLL9.           |          |            | Not working.      | :                                     | 162                 |          | 163 | 971                   |
| 36         |                  |          | Laos.      | ·ZaiároVi         | 2.970                                 | 2,614               | 998      |     | 2,730}                |
| 8          |                  | Млвояпх. |            | Not working.      | :                                     | 137                 | : '      | 137 | E                     |
| <br>E      |                  | A        | No.        | Vorking.          | 4,235                                 | 2,051               | 184      | 1   | 2,147                 |
| <br>88     |                  |          |            | Not working.      | 325                                   | 468                 | Į.       | 10  | 333                   |
| 33         |                  |          |            | Botoni.           | :                                     | 103                 | 3        | į   | 163                   |
| 18         | Скврине,         |          |            | Sairaba.          | :                                     |                     | ŧ        | ŧ   | ī                     |
| 30         |                  |          |            | chobi.            | Ŧ                                     | <b>*</b> 0          | **       | ŧ   | 60                    |
| 20         |                  | '———     |            | Total cultivated. | :                                     | 1,01,469            | :        | 1   | 1,61,306              |
| - 58       |                  |          |            | Lotol'            | . :                                   | 65,033              | <b>!</b> | •   | 83,293                |
| 12         | Banaur.          |          |            | Harred roda       | ŧ                                     | 15,736              | ÷        | ŧ′  | 11,026                |
| 9 <u>2</u> |                  |          |            | Barral            |                                       | 60,357              | i        | ı   | 69,372                |
|            |                  |          |            | ,                 | •                                     |                     |          |     | 1                     |
| 8          |                  |          | . Pariod.  |                   | Last ectilonent                       | finbat 1065—1699-09 | Decree.  | Jud | Sambal 1056-1809-1000 |
| -          | -                |          | <u>`</u>   | Detalls.          | · · · · · · · · · · · · · · · · · · · |                     | Torie.   |     |                       |

|                        | ] -     |       |         | -fdadO to fatoT           | 14       | <u> </u> | 3      | \$     | ֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓ |
|------------------------|---------|-------|---------|---------------------------|----------|----------|--------|--------|---------------------------------------|
|                        | 18      |       |         | Tolal                     | 39,090   | 28,635   | 33,949 | 32,075 | 1 6                                   |
|                        | 17      |       |         | .arsdfO                   | 4,010    | 4,933    | 7,628  | 0,073  | F K7A                                 |
|                        | 10      |       |         | Ojlseeds.                 | 120      | Į Š      | 178    | 1 18   | 8                                     |
|                        | 2       |       |         | .v.Leat and bariey mixed. | :        | :        | ;      | :      |                                       |
| **                     | 13 3 14 |       | Banr.   | Wheat and gram mized,     | :        | :        | :      | :      |                                       |
| amen                   |         |       |         | Darley and gram mixed.    | i        | :        | :      | :      |                                       |
| Stal                   |         |       |         | Oram,                     | :        | :        | i      | :      |                                       |
| -Crop                  | 7       |       |         | Barley.                   | 14,598   | 12,266   | 13,183 | 11,495 | 19 403                                |
| No. 2.—Crop Stakement. | 2       | OB OB |         | .7kedV/                   | 11,353   | 11,146   | 11,961 | 11,333 | 10.200                                |
|                        | 6       |       |         | .totol.                   | 11,769   | 14,209   | 16,489 | 17,347 | 13.843                                |
|                        | 8       |       |         | Others.                   | 318      | 643      | 708    | 664    | 784                                   |
|                        | 7       |       |         | TII.                      | ÷        | ;        | i      | :      |                                       |
|                        | a       |       |         | Ganar Charti,             | <u>:</u> | :        | :      | :      |                                       |
|                        | ۵       |       | Килятя. | Auisold.                  | :        | :        | :      |        |                                       |
|                        | 7       |       |         | .1awol                    | 360      | 290      | 375    | 235    | 259                                   |
|                        |         | }     |         | _                         | Į.       | 1        |        |        |                                       |

|     | ,       |         |                              |                       | 7711           |                       |               |                       |                       |             |                    |                      |              |                      |       |
|-----|---------|---------|------------------------------|-----------------------|----------------|-----------------------|---------------|-----------------------|-----------------------|-------------|--------------------|----------------------|--------------|----------------------|-------|
| 124 |         |         | Total,                       | 717,0                 | 7,744          | 7,607                 | 7,047         | 0,221                 | 8,941                 | 10,623      | 8,187              | 4,313                | 447          | 4,030                | 609   |
| °2  |         |         | Others,                      | 171                   | 128            | 2                     | 8             | 8                     | 83                    | a           | 8                  | #                    | °            | 8                    | 1 %   |
| 26  |         |         | .fiT                         | 82                    | 6              | 1                     | 81            | 8                     | 16                    | 139         | 76                 | 101                  | 1 2          | 1 2                  | 27    |
| 2   | Α.      | r.      | , dewar Chart.               | 1,198                 | :              | 990                   | :             | :                     | :                     | :           | 153                | 410                  | 127          | ıŝo                  | 123   |
| 23  | BAIBABA | Кпавів  | .gaisel.C                    | 701                   | 1,872          | 1,315                 | 2,007         | 1,382                 | 1,801                 | 1,807       | 1,737              | 000                  | 11           | 1,150                | 116   |
| 23  |         |         | .7277aL                      | 603                   | 831            | 1,153                 | 018           | 202                   | 020                   | 610         | 910                | 030                  | . 38         | 198                  | 101   |
| 31  |         |         | Bolia.                       | 9,732                 | 4,728          | 3,702                 | 4,205         | €,060                 | 5,803                 | 7,804       | 6,030              | 2,210                | 237          | 1,361                | 150   |
| 8   |         |         | .cotton.                     | 236                   | 138            | 267                   | 1 39          |                       | E                     | 88          | 898                | 133                  | 1 02         | 237                  | 102   |
| 2   |         |         | . Total of Chabl.            | 44,839                | 42,884         | 10,437                | 40,432        | 43,580                | \$6,283               | 30,400      | \$5,905            | 41,810               | 7,030        | 61,038               | 8,013 |
| 18  |         |         | TeleT                        | 39,090                | 28,635         | 33,949                | 32,075        | 20,717                | 20,501                | 27,770      | 30,000             | 28,471               | 4,938        | 29,084               | 6,083 |
| 17  |         |         | Others.                      | 4,010                 | 4,933          | 7,628                 | 6,073         | 5,470                 | 9,580                 | 4,833       | 6,071              | 0,040                | 863          | 3,508                | 023   |
| 2   |         |         | Ollseeds.                    | 129                   | 103            | 178                   | Į į           | 83                    | , p., 1               | 230         | 162                | 073                  | 168          | 757                  | 199   |
| 2   |         |         | .boxiar estand bantey mixed. | :                     | :              | :                     | :             | :                     | €                     | :           | :                  | 912                  | 5            | 1,504                | 202   |
| 77  |         | BABI.   | Wheat and gram mized,        | 1                     | :              | :                     | ;             | :                     | i                     | 1           | :                  | 14                   | =            | 1.88                 | 10    |
| £.  |         |         | Barley and gram mixed.       | i                     | :              | :                     | :_            | :                     | ;                     | ;           | :                  | 48                   | 8            | 231                  | 05.   |
| 13  |         |         | Gram,                        | :                     | :              | i                     | ;             | :                     | :                     | :           | :                  | 88                   | , 23         | ä                    | a     |
| =   |         |         | Barley.                      | 14,598                | 12,266         | 13,183                | 11,495        | 13,403                | 17,488                | 15,403      | 13,690             | 13,018               | 1,903        | 16,401               | 2,749 |
| ន   | овант.  |         | .7k÷aV.                      | 11,353                | 11,145         | 11,961                | 11,333        | 10,208                | 7,388                 | 7,795       | 0.081              | 7,076                | 1,603        | 6,280                | 1,340 |
| 6   |         |         | .foto).                      | 11,769                | 14,209         | 16,489                | 17,347        | 13,843                | 16,782                | 11,720      | 14,916             | 13,175               | 2,403        | 22,554               | 3,530 |
|     |         |         | Others.                      | 318                   | 643            | 708                   | 664           | 784                   | 37.7                  | 407         | 189                | ¥0.2                 | 150          | 1,013                | 167   |
| 4   |         |         | TI.                          | :                     | ;              | :                     | :             | :                     | :                     | :           | :                  | 298                  | 10           | 188                  | 113   |
| G   |         | 15      | Gawar Charri.                | :                     | :              | :                     | :             | ī                     | :                     | E           | :                  | 20                   | כנ           | 32.4                 | g /.  |
| ۵   |         | Килятя. | "Attiealla                   | :                     | :              | :                     | 1             | :                     | :                     | į           | :                  | 257                  | 05           | 403                  | 19    |
| 7   |         |         | .1amol                       | 35                    | 390            | 376                   | 235           | 280                   | 850                   | 202         | 283                | 603                  | 169          | 1,429                | 654   |
| . 8 |         |         | Bajra.                       | 14,171                | ;              | ;                     | 3             | :                     | 3                     | :           | :                  | 299                  | ,<br>00<br>1 | 9,140                | 826   |
| 6   |         |         | Cotton,                      | <b>&amp;</b>          | 13,167         | 15,606                | 16,418        | 13,779                | 15,055                | 11,957      | 14,963             | 10,815               | 1,807        | 16,300               | 1,708 |
|     |         |         |                              | ŧ                     | :              | E                     | :             | ÷                     | i                     | :           | :                  | :                    | :            | i                    | :     |
|     |         |         |                              | · :                   | i              | Ē                     | :             | :                     | ı                     | ŧ           |                    | 1                    | :            | 7                    | ī     |
| -   |         |         | Perfod.                      | 1-03 iii              | = 1892.93      | - 1603-91             | = 1604.05     | = 1805-98             | = 1806-97             | 1897-93     | i                  | :                    | ŧ            | :                    | Ŧ     |
|     |         |         |                              | Sambat 1949 = 1891-09 | CSambat 1019 : | Sambat 1959 2 1893-91 | Bambat 1051 : | Sambat 1952 = 1895-98 | Sambat 1053 = 1896-97 | Sambat 1851 | Six years' averago | Khalsa               | Lafad        | Khalsa               | Mañ   |
| }   | 1       |         |                              | Samb                  |                | A201 of 6101 fadma8   |               |                       |                       |             |                    | 8-80°<br>22 =<br>wor | 180<br>18    | 1000°<br>90⇔<br>104¢ | 103   |

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| tement- |
| o Sta   |
| Croi    |
| 0,      |
| No.     |

| 1    |              | ,       |         |                       | ;                     | xlv            | •                      |                |                       |                        |                | -                  |                            |            |                        |            |
|------|--------------|---------|---------|-----------------------|-----------------------|----------------|------------------------|----------------|-----------------------|------------------------|----------------|--------------------|----------------------------|------------|------------------------|------------|
| 55   |              |         |         | janual to fatoT       | 08, 190               | 96,166         | £8,069                 | 00,810         | 75,726                | 75,555                 | 98,479         | 86,971             | 102,838                    | 12,489     | 62,867                 | 10,936     |
| 52   |              |         |         | Total                 | 21,017                | 17,801         | 11,254                 | 18,435         | 7,001                 | 1,092                  | 15,345         | 11,763             | 2,497                      | 423        | 158                    | 10         |
| 53   |              | ,       |         | Others.               | 113                   | 81             | 9                      | -              | :                     | . :                    | 2              | 83                 | 110                        | £.         | 133                    | 13         |
| 122  |              |         |         | Oilsceds.             | 174                   | 117            | 47                     | 107            | ž                     | :                      | 249            | 8                  | 167                        | <b>"</b>   | "                      | :          |
| - 12 |              |         |         | Gram and barley.      | :                     | !              | :                      | ;              | :                     | ;                      | :              | :                  | :                          | :          | <u> </u> :             | :          |
| 62   |              | Rant.   | req.    | im merg bae teadV     | :                     | :              | 1                      | #              | E                     | 1,117                  | 1,885          | 515                | 9                          | 3.         | 1                      | ŧ          |
| 64   |              | , g.    | *pəx    | im mery bas tefres    | 7,051                 | 4,580          | 3,212                  | 4,275          | 2,011                 | i                      | 2,264          | 2,735              | "                          | 15         | 28                     | · :        |
| 48   |              |         |         | •mrrð                 | 13,053                | 12,300         | 7,591                  | 12,657         | 4,003                 | 202                    | 19,105         | 7,081              | 1,510                      | 210        | 38                     | :          |
| 47   |              |         |         | Barley.               | 274                   | 072            | 321                    | 101            | 25                    | 197                    | 723            | 325                | 363                        | °          | 3                      | *          |
| 46   | BARANI.      |         |         | <i>\</i> Vbea€.       | 22                    | 72             | 1 3                    | 201            | °                     | 170                    | 21             | 63                 | 240                        | 123        | <b>5</b>               | :          |
| 45   | BA           |         |         | Total.                | 70,852                | 78,335         | 74,804                 | 72,375         | 08,725                | 73,873                 | 83,131         | 75,203             | 190,341                    | 12,088     | 92,709                 | 16,020     |
| 44   |              |         |         | Others.               | 2,075                 | 90             | 603                    | 100            | 109                   | 62                     | 140            | 108                | 627                        | 26         | 773                    | 143        |
| 43   |              |         |         | .ur                   | 800                   | 1,309          | 1,273                  | 1,203          | 1,790                 | 845                    | 568            | 1,150              | 3,015                      | 995        | 6,180                  | 673        |
| 43   |              | Кильгу, |         | Gawar Chatti.         | 17,676                | :              | 16,232                 | :              | :                     | :                      |                | 2,705              | 7,533                      | 1,743      | 9,381                  | 1,717      |
| 41   |              | Иπ      |         | Nasina                | 17,503                | 40,107         | 20,775                 | 33,006         | 31,782                | 25,823                 | 116'92         | 719,62             | 3,069                      | 3,128      | 33,571                 | 3,350      |
| 94   |              |         |         | *12W2L                | 6,100                 | 7,203          | 6,774                  | 5,063          | 4,597                 | 5,623                  | 7,213          | 0,282              | 7,907                      | 1,030      | 7,938                  | 1,753      |
| 30   |              |         |         | Bajra.                | 31,058                | 28,254         | 27,374                 | 31,029         | 20,731                | 37,107                 | 18,211         | 33,617             | 47,936                     | 4,280      | 33,897                 | 2,926      |
| 38   |              |         |         | Cotton.               | 1,544                 | 1,282          | 1,782                  | 2,077          | 716                   | 1,213                  | 2,759          | 1,633              | 3,254                      | 456        | 1,970                  | 358        |
| 37   |              |         |         | rderies lo latoT      | 23,072                | 21,018         | 21,265                 | 25,776         | 17,693                | 16,620                 | 26,253         | 21,232             | 15,630                     | 2,205      | 15,171                 | 2,068      |
| 36   |              |         |         | .LetoT.               | 10,055                | 13,251         | 13,648                 | 17,823         | 10,862                | 7.079                  | 15,720         | 13,065             | 11,617                     | 1,818      | 10,211                 | 1,070      |
| 35   |              |         |         | Ф. Бретв.             | 631                   | 234            | 420                    | 687            | 010                   | 410                    | 623            | 243                | 020                        | 30         | 1,151                  | 100        |
| 3.8  |              |         |         | Oll-seeds.            | 212                   | 크              | , gg                   | 130            | EE .                  | 253                    | 175            | 245                | 632                        | 103        | 260                    | 8          |
| 33   | BAIRABA.     |         |         | Gram and barley.      | :                     | :              | ;                      | ŧ              | ;                     | ;                      | <u> </u>       | :                  | 438                        | <u>a</u>   | 281                    | -S         |
| 33   | 8 <b>4</b> I | Bant.   | .box    | iar arrıy ban desa'V! |                       | :              | :                      | 1              | :                     | 1,618                  | 7,207          | 1,490              | 401                        | 10         | 295                    | 1          |
| 31   |              |         | red.    | Barley and gram mi    | 7,038                 | 5,051          | 6,450                  | 0,725          | 3,019                 | :                      | :              | 3,674              | 1,778                      | 103        | 1,470                  | 200        |
| 30   |              |         |         | ·mr19                 | 1,661                 | 2,113          | 2,741                  | 3,417          | 2,022                 | 1,485                  | 2,742          | 2,520              | 3,275                      | 483        | 1,013                  | \$20       |
| 20   | ,            | •       |         | BarleJ.               | 676                   | 662            | 770                    | 813            | 953                   | 1,540                  | 1,660          | 1,056              | 2,733                      | 455        | 3,479                  | 25         |
| 28   |              |         |         | Wheat.                | 5,671                 | 4,403          | 3,015                  | 0,060          | 2,805                 | 1,673                  | 2,881          | 3,637              | 2,064                      | 673        | 1,384                  | 231        |
|      |              |         | •       |                       | i                     | ÷              | :                      | i              | ÷                     | :                      | i              | ÷                  | :                          | :          | •                      |            |
|      |              |         | _       |                       | 1                     | = 1802-93      | 1893 0 \$              | = 1604-05      | 1895-96               | 1800-07                | = 1807-09      | 1                  |                            | :          | <u>:</u>               | :          |
| -    |              |         | Period, |                       | 1801-03               | Sambat 1019 == | Sambat 1050 = 1893 0\$ | 8ambat 1051 =- | Sambat 1932 = 1895-96 | 8ambat 1033 == 1830-97 | Sambat 1051 == | rago               | :                          | :          | : e                    | :          |
|      |              |         |         |                       | Bambat 1018 = 1801-02 | Samb           |                        | a or or o      |                       | -                      | Samb           | Six years' averago | Cichalea                   | Nata State | S. Ichalsa             | Nan<br>Man |
| 1    | Ī            |         |         |                       | Samt                  |                | . \$20                 | ır ~4 @10      | , ysque)              | •                      |                | Sir                | 22 <b>≃</b><br>27 <b>7</b> | 3—4(       | *0001<br>>=63<br>\$vqu | SI IVG     |
|      |              |         |         |                       |                       |                |                        |                |                       |                        |                |                    |                            | _ = =:(    | -                      |            |

TAHSIL BIYANA.
No. 2.—Crop Statementomconold.

| å        |              | lannel                 | 71,311   | 72,833   | 63,40  | 02, 588      | 58,063   | 69,923       | 71,000         | 65,658  | 59,57.4 | 11,033   | 86,070   | 9,653  |
|----------|--------------|------------------------|--|--|--|--------------|--|--------------|----------------|---|---------|--|--|--|
| LIVATE   |              | galraba.               | 18,411   | 15,858   | 16,865   | 26,025       | 15,687   | 14,000       | 20'18          | 17,503  | 13,436  | 2,076  | 14,008   | 2,359  |
| REA CULT |              | Chabi-                 | 41,830   | 42,83\$  | 40,437   | 40,422       | 43,560   | 45,233       | 30,100         | 45,000  | 39,051  | 6,197  | 188,14   | 7,140  |
| aining a |              | Aren cultivated.       | 134,501  | 131,625  | 120,761  | 131,925      | 118,051  | 119,166      | 135,445        | 127,057   | 142,066 | 10,006   | 1.42,642   | 10,457   |
| REM      |              | Double cropped.        | 32,350   | 28,423   | 27,040   | 33,083       | 18,313   | 17,662       | 28,776         | 25,630  | 19,283  | 2,217  | 17,631   | 2,760  |
|          |              | . Total of both crops. | 166,911  | 160,018  | 156,756  | 165,008      | 130,300  | 136,858      | 161,221        | 163,267   | 1(0,313 | 21,823   | 159,070  | 22,210   |
|          |              | .LoloT.                | 68,693   | 69,650   | 67,850   | 07,330       | 47,550   | 38,262       | 63,835         | 51,918  | 42,515  | 0,007  | 30,483   | 7,669  |
|          |              | .ers.fi                | 4,782  | 5,250  | 8,080  | 192,6        | 98,436   | 5,203        | 210'9          | 0,630   | 6,711   | 916  | 4,692  | 230  |
|          |              | •sbaasi(O              | 6116   | 463  | 57.5   | =            | 231  | 882          | 928            | 183   | 1,465   | 263  | 1,32,1   | 253  |
|          |              | Gram and darley.       | :  | ;  |  |              |  | <u> </u>     |                |   | 1,381   | e i  | 1,875  | 792  |
|          | Radi.        | Wheat and gram mixed.  | :  |  | :  | :            | :  | 3,033        | 0,337          | 2,010   | 1 \$    | 11   | E  | ω  |
|          |              | Barley and gram mixed. | 14,990   | 10,237   | 8,002  | 11,000       | 6,600  | :            | 01,2<br>01,130 | 196,0   | 1,032   | 231  | 1,788  | 099  |
|          |              | •mai9                  | 15,678   | 14,422   | 19,33\$  | 10,074       | 7,626  | 1,733        | 12,937         | 10,563  | 4,003   | 725  | 1,773  | 469  |
| TOTAL.   |              | Barley.                | 15,523   | 13,510   | 14,274   | 12,400       | 14,478   | 10,025       | 17,790         | 15,269  | 10,711  | 2,427  | 20,014   | 3,200  |
| GRAND    |              | 'V beat.               | 16,575   | 15,713   | 15,010   | 17,603       | 13,170   | 8,960        | 10,636         | 13,677  | 10,850  | 2,167  | 7,695  | 1,474  |
|          |              | ДвјоТ.                 | 98,213   | 100,338  | 090'80   | 97,009       | 88,780   | 08,500       | 105,330        | 98,259  | 117,828 | 14,916   | 120,193  | 16,148   |
|          |              | . Others.              | 2,561  | 766  | 1,383  | 811          | 1,010  | 522          | 800            | 860   | 1,370   | 173  | 1,015  | 328  |
|          |              | Til                    | 918  | 1,370  | 1,319  | 1,312        | 1,790  | 020          | 596            | 1,226   | 3,380   | 537  | 0,163  | 813  |
|          | 117,         | Gawar Chairl.          | 18,672   | 1  | 17,187   | ī            | 1  | :            |                | 2,865   | 7,085   | 1,874  | 10,380   | 1,831  |
|          | Кпа          | Aafaal.                | 18,155   | 41,070   | 22,089   | 34,163       | 33,161   | 36,714       | 20,093         | 31,351  | 20,002  | 3,210  | 35,220   | 3,526  |
|          |              | JONOL                  | 6,639  | 8,113  | 8,202  | 7:00,7       | 6,412  | 7,120        | 8,018          | 7,375   | 0,0,0   | 2,206  | 10,215   | 2,474  |
|          |              | •E12EE                 | 35,791   | 32,062   | 31,136   | 35,203       | 33,781   | 42,910       | 56,391         | 38,653  | 56,761  | 4,613  | 43,397   | 3,803  |
|          |              | Cotton,                | 15,651   | 13,087   | 17,555   | 19,038       | 13,566   | 16,392       | 15,696         | 15,058  | 14,301  | 2,333  | 12,837   | 2,318  |
|          |              | ,                      | :  | i  | E  | i '          | i  | :            | :              | i   |         | Ė  | i  | :  |
|          |              | r <sup>i</sup>         | ;  | = 1892.93  | = 1893.93  | H 1804-95    | = 1695.50  | = 1600.97    | = 1507-09      | ŧ   |         | ;  | ÷  | :  |
|          |              | Perto                  | ila := 1591-0;   | ambat 1010 .   | ambat 1956 :   | ambat 1051 : | ambat 1952 :   | ımbat 1953 : |                | average   | halsa   | ye   | halsa  | Be   |
|          |              |                        | nt 10  | Ĕ_   |  |              |  |              |                | , Sal   | ·68-9   | ,  |  | .639-<br>.639-   |
|          | GBAND TOTAL. |                        | Grann  Till  Action  A | GEAND 4074/L.    1961   1961   1962   1964   1966 | Think   Thin | Name         | Parish   P |              |                | Part   Part |         | No.   1   1,500   1, | The column   The | The color of the |

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#### TAHSIL BIYANA.

No. 3 .- Statement of realisations and balances from Sambat 1912 to Sambat 1956.

| 1                     |              | 2             | ġ.               | 4           | δ           | 6                                      | 7                   | 8         | 9                   | 10       |
|-----------------------|--------------|---------------|------------------|-------------|-------------|--|---------------------|-----------|---------------------|----------|
|                       |              |               |                  | Remitted (  | OR BEDUCED. | Вы                                     | ANCE.               | JAMA OF B | ESUMBD AREA.        |          |
| . Name of Year.       |              | Total demand. | Realised.        | Bemitted.   | Reduced.    | Realised up to date.                   | Balance up to date. | Renlised. | Balance up to date, | Bemarks. |
| 8ambat 1912=1855-58   | 1,4          | 1,466         | 1,44,466         | <b>1.09</b> | •••         | ***                                    |                     | 142       | *1*                 |          |
| Sambat 1015=1858-59   | 1,43         | ,327          | 1,49,327         | ***         |             | 0.10                                   |                     | 36        |                     |          |
| Sambat 1018=1661-63   | 1,62         | ,526          | 1,62,626         | ***         | ***         | ### ################################## |                     | 60        | 411                 |          |
| Sambat 1028 = 1871-73 | 1,79         | ,832          | 1,79,126         | ***         | ***         | <b>3</b> 50                            | 356                 | 127       |                     |          |
| Sambat 1039=1882-03   | 1,87         | ,116          | 1,85,925         | 413         | ***         | 52                                     | 1,137               | 4,099     | 383                 |          |
| Sambat 1947=1690-91   | 2,96         | ,947          | 2,03,974         |             | ***         | 1,200                                  | 1,764               | 225       | 3                   |          |
| Sambat 1048=1801-03   | <b>2,</b> 91 | 5,542         | 2,01,647         | ***         | 200         | 90                                     | 708                 | 643       | 55                  |          |
| Eambat 1949=1€92-93   | 2,05         | 5,595         | <b>2,03,</b> 238 | •••         | ,           | 355<br>·                               | 1,914               | 585       | 25                  |          |
| Sambat 1950=1893-02   | 2,00         | 5,273         | 2,03,178         | ***         | •••         | 109                                    | 1,606               | 015       | 25                  |          |
| Sambat 1051=1894-05   | 2,03         | 5,341         | 2,01,683         | •••         |             |  | , <b>3,</b> 659     | 602       | 166                 |          |
| Sambat 1952=1605-06   | 2,0          | 5,397         | 1,93,920         | eu          | ***         | 1,232                                  | 19,235              | 632       | . 79                | •        |
| Sambat 1953=1698-97   | 2,93         | 5,613         | 1,74,567         | ore         | 229         | 4,623                                  | 26,225              | 673       | 191                 | ,        |
| Sambat 1054=1607-05   | 2,01         | 0,053         | 2,02,960         | 241         | <b>***</b>  | 1,000                                  | 2,023               | 670       | 131                 |          |
| Sambat 1955=1895-99   | 2,0          | 4,963         | 2,02,099         | 947         | . m         | ***                                    | 1,970               | 950       | -                   |          |

No. 4.- Statement of Sales and Mortgages.

|   |    |                    |            | -                  |           |              |                                 |                           |         |            | h       |          |          | f             |
|---|----|--------------------|------------|--------------------|-----------|--------------|---------------------------------|---------------------------|---------|------------|---------|----------|----------|---------------|
|   | 16 |                    |            | BPHABER.           |           | ,            |                                 |                           |         |            |         |          |          |               |
|   | 17 |                    |            | Rato per Bighm.    | Rs, A. P. | 0 9 4        | 3<br>1<br>5                     | 8 14 4                    | ŧ       | :          | :       | 4 II II  | 3 1 6    |               |
|   | 1  |                    |            | 54-14              | Пз. А. Р. | 2 0 2        | 1 0 0                           | 2 10 8                    | :       | :          | :       | 2 13 0   | 1 11 6   |               |
|   | 16 |                    | Вахив.     | Price,             | Bs.       | 1,235        | 256                             | 200                       | :       | , <b>:</b> |         | 1,436    | 350      |               |
|   | 15 |                    |            | Unoultivated.      |           | 133          | 8                               | 99                        |         | :          | :       | 178      | 8        |               |
|   | 72 | TO 1898.           |            | Cultirated.        |           | 227          | E                               | 8                         | 1       |            | !       | 155      | 8        |               |
|   | _  | FROM 1890 TO 1898. |            | THE TOTAL AND      | Rs. A. P. | 15 8 11      | 13 23                           | 10 8 3                    | 17 2 10 | 11 14 0    | 15 0 1  | 14 411   | 20 13 1  |               |
|   | 13 | -                  |            | Rate por Bigha.    | Rs. A. P. | 10 6 6       | 10 9 0                          | 20                        | 10 1 0  | 0 3 4      | :       | 8 2      | 17 16 1  |               |
|   | 13 |                    | Mobroadus  | Mortgage money.    |           | 47,553       | 8,053                           | 3,230                     | 3,710   | 12,091     | 6,029   | 62,853   | 11,721   |               |
|   | ı  |                    | a          | Uncaltivated.      |           | 1,542        | 72                              | 1,077                     | 12      | 307        | :       | 2,926    | 89       |               |
|   | 10 |                    |            | Caltivated,        |           | 8,050        | 303                             | 309                       | 210     | 1,015      | #       | 4,394    | 563      |               |
|   |    |                    |            | gate per Blgda-    | Rs. A. P. | 80<br>80     |                                 | 313 1                     | i       | 8 6        | :       | 60<br>70 | :        |               |
| • | 6  |                    |            |                    | Rs. A. P. | 1 13 4       | ı                               | 8<br>8                    | :       | 0 80 0     |         | 177      |          |               |
|   | 8  |                    | Влтаз,     | Price              | jë.       | 6,738        |                                 | 1,736                     | :       | 873        | :       | 8,347    | :        |               |
|   | 7  |                    |            | Unenliirated.      |           | 1,528        | i                               | <b>568</b>                | į       | 1,255      | :       | 2,177    | :        |               |
|   | 6  | . TO 1839.         |            | . Leaterd.         |           | 1,632        | i                               | 465                       | :       | \$68       |         | 2,481    | :        |               |
|   | 19 | FROM 1865 TO 1839. |            | .adylif 1990 obcil | RG. A. P. | 13 16 9      | 16 8 10                         | 5 5 11                    |         | 8 7 7      | 23 0 23 | 11 14 7  | 17 11 11 |               |
|   |    |                    |            |                    | Re, A. P. | 100          | 12 12 0                         | 3 3 7                     | 16 0 0  | 6 0 1      | 21 1 6  | 7 13 4   | 16 4 3   | ĸ             |
|   | •  |                    | Мовталава. | Nortgago money.    | B8,       | 1,05,720     | 15,675                          | 4,019                     | 304     | 26,542     | 6,463   | 1,36,317 | 21,413   |               |
|   |    |                    |            | Uneulitzaicd.      |           | 4,169        | 278                             | 505                       | ŧ       | 1,280      | 17      | 5,953    | 202      |               |
|   | -  |                    |            | .beitrilluð        |           | 7,659        | 250                             | 751                       | 13      | 8,131      | . 52    | 11,411   | 1,208    |               |
|   |    |                    |            |                    |           | :            |                                 | :                         | ÷       | =          | ī       | i        | i        |               |
|   |    |                    |            |                    |           | 4            | •                               | :                         | :       | :          |         | :        |          |               |
|   | -  |                    |            | Detaile.           |           |              | -                               | -                         | =       | :          | :       | _        | 1        |               |
|   |    | ,                  | ·.         |                    |           | Khalea       | Zem.                            | Khales                    | Mad     | (Khalsa    |         | Khalss   | (Mad     | <b>&gt;</b> - |
|   | 1  | 1                  |            |                    |           | archi<br>ome | niereZ oT<br>a edi lo<br>zelliy | nindara<br>ither<br>spear | o lo    | oney.      | m oT    | ,[s]     | oT ]     |               |

### Taờic biyana.

No. 5. -- Statement of Cultivating occupancy.

|          | ,   |                     | •               |                        |          | 72            | CIIX   |          |               |          |               |                 |           |               |          |         | ı         |          |              |      |
|----------|---|---------------------|-----------------|------------------------|----------|---------------|--|----------|---------------|----------|---------------|-----------------|-----------|---------------|----------|---------|-----------|----------|--------------|------|
| 20       |   |                     | RBKADKS.        |                        | ε        |               | (8)  | É        | 8             | (3)      | 3             | <b>(E)</b>      | ව         | ε             | Î        | 3       | 9         | 2 2      | 6            |      |
| 25       | NGE<br>PEG<br>(A.   | í                   |                 | On Area in column 2    | 63<br>C3 | 2 13 0        | 3 6 0  | 3<br>G   | 2 8 11        | 1        | 1,11 10       | 2               | 2 7 0     | 0 15 0        | 0 11 2   | 1 0 0   | 1 7 10    | j e      |              |      |
| 2.3      | AVERAGE<br>RENT PER<br>BIGHA.                               |                     | *6              | amuloo ni cəxA aO      | დ<br>დ   | 3 0 0         | 2 1 3  | 2 6 10   | 2 13 8        | i        | 154           | 111 0           | T         | 0 14 8        | 011      | 1 0 3   | 1 10 0    | 2        | 0 11 0       |      |
| 23       |   | 111                 | w-is-siaco      | Total area held by te  | 3,14,559 | 2,152         | 011  | 1,552    | 275           | į        | 0,573         | 71.7            | 157       | 45,960        | 4,731    | 813     | 69,750    | 7,005    | 1,11         |      |
| 23       |   |                     | rates.          | 'gobeca                | 34,753   | 4,842         | 150  | \$,851   | 432           | ŧ        | 0,012         | 831             | F .       | 35,840        | 3,601    | - E     | 83,302    | 9,550    | 1,163        |      |
| 21       | cī.   | 9MT.                | By other rates. | -ε91                   | 179,01   | 1,720         | 45   | 1,185    | 160           | :        | 6,719         | 373             |           | 38,203        | 4,001    | 282     | 65,979    | 0,323    | 7 <u>8</u> 2 |      |
| 20       | rs.at.wi  | Слеп вин            | oachh.          | , səədnyı              | 11,018   | 1,310         | 131  | 865      | 296           | :        | 1,538         | 619             |           | 7,050         | 503      | 55      | 21,371    | 2,850    | 202          |      |
| 10       | AREA HELD AND RENTS PAID BY TENANTS.AT-WILL                 | ·                   | By Dhal bachh.  | , Area.                | 9,688    | 432           | ន  | 960      | 100           | <u>'</u> | 1,155         | 327             |           | 7,563         | 020      | 220     | 12,771    | 1,582    | 323          |      |
| 18       | AID B)  | rs.                 |                 | Rupees.                | v<br>I   | :             | <u>                                     </u> | :        | :             | :        | :             | :               | :         |               | :        | ;       | ;         | :        | :            |      |
| 17       | ATS P.  | Rents.              |                 | -Area.                 | ;        | ;             | <u>                                     </u> | i        | :             | 1        | -             | 1               | :         | :             | ;        | :       | :         | :        | :            |      |
| or<br>Or | D REX   |                     | .ir.            | taal raban nore letoT  | 130      | 140           | :  | i        | 28            | :        | 67            | 5               | :         | 83            | 122      | :       | 173       | 3111     | :            |      |
| 15       | LD AN   | •                   | han 🆫           | •полу                  | :        | :             | :  | :        | :             | :        | :             | :               | :         | 2             | :        | :       | 10        | :        | :            |      |
| 14       | и пе  | r Kind              | Less than       | •92v4S                 | 1        | :             | :  | 1        | :             | :        | :             | :               | :         | 77            | .:       | :       | ***       | :        | :            |      |
| E1       | ARE   | Bunts in            |                 | One-third.             | 13       | :             | :  | :        | :             | :        | :             | :               | :         | :             | 1        |         | 13        | :        |              |      |
| 13       |   | Ę                   |                 | T770-filths.           | i        | 130           | :  | :        | 28            | <u>.</u> | :             |                 | <u>: </u> |               | :        | :       | :         | 101      | :            |      |
| =        |   |                     |                 | .910m 10 UnH.          | 120      | 4             |  | 3        | :             | :        | "             |                 | :         | <sup>13</sup> | E        | : <br>- | 150       | 180      | :            |      |
| 10       | ,   |                     | Detalls.        |                        |          | Chahi present |  |          | Chahi salraba |          |               | Sairaba present |           |               | Barsal   |         |           | Total    |              |      |
| 6        | TED   |                     |                 | TeidT                  | 1,007    |               | 13,420                                       | 23,227   | 173           | 851      | 1,709         |                 |           | 1,160         | 14,283   |         | 21,935    |          |              |      |
| 8        | ABEA CULTIVATED<br>BY OCCUPANCY<br>TENANTS.                 |                     |                 | At ofher rates.        | 813      |               | 12,172                                       | 20,080   | 165           | 700      | 1,431         |                 |           | 760           | 12,978   |         | 22,411    |          |              |      |
| 7        | ABEA<br>BY C  | Malikana            | troutin 10      | Alin ester e'rsano tA  | 105      |               | 1,257  | 2,217    | 18            | 148      | 125           |                 |           | 183           | 1,403    |         | 2,524     |          |              |      |
| 0        | E OF<br>THAN  | ran<br>na's<br>n.   |                 | rgnbcca∗               | :        |               | 158  | ;        | :             | 25       |               |                 |           | :·            | 163      |         | ž         |          |              |      |
|          | BY TENANTS PREE OF<br>RENT OR AT LESS THAN<br>OWNER'S RATE. | Less Than<br>Owners |                 |                        | ŧ        |               | 375  | - ;      | 1             | 2        |               |                 |           | :             | 410      |         | :         |          |              |      |
| *        | BY TEN,<br>RENT OR<br>OWN                                   |                     | <u> </u>        | Erce of rent.          | 740      |               | 3,801  | :        | 128           | 986      | -             |                 |           |               | 4,982    |         | i         | <u> </u> |              |      |
|          |   |                     | •               | erantio of balavillad  | 250'9    |               | 55,439                                       | <b>!</b> | 1,200         | 0,411    | :             | :               |           |               | 056,13   |         | :         |          |              |      |
| }        | 1   |                     |                 |                        | =        | 1             | 1,42,060                                     | 2,36,679 | 2,105         | 10,666   |               |                 |           | 10,71 8       | 1,01,000 |         | :         | İ        |              |      |
| -<br>E   |   |                     |                 | Total caltivated area  | 14,311   |               | <u> </u>                                     | 1 23     | <u> </u>      | <u> </u> | <del>- </del> |                 |           | <del>:-</del> |          | -       |           | <u> </u> |              | —— j |
| e1       |   |                     |                 | esic bestartitus lator | 14,3     |               |  | ea       | - :           | :        | "             | <br>i           |           | 1             | 1        | -       | ŧ         |          |              |      |
|          |   |                     |                 | asic belavidae (clor   |          |               |  |          | Holding       | Area     | lange Co      |                 |           | Julploll      | Vrca     |         | "Italieca |          |              |      |
|          |   |                     | Details.        | Total cultivated area  | ;        |               | A Area                                       | 1        | İ             |          |               |                 |           |               | 7.00     |         |           |          |              |      |
| -        |   |                     |                 | Total cultivated area  | ;        |               | Area   | 1        | İ             | Area     |               |                 |           |               | VICE     |         |           |          |              |      |
| -        |   |                     |                 | Total entitrated area  | ;        | į             | A Area                                       | 1        | Holding       | 4 Area   | 13 and of     |                 |           |               | 7.00     |         | (Rubeca   |          | 1-3          |      |

Norn (1) - Khales, (2) - Man and (3) - Bub-tenants,

No. 6 .- Statement showing rent by class of soil (Khalsa).

|                         | <del></del> - | <del></del> _ | <del></del> 1 | 1                  |                   | e         | 7              | 8        |
|-------------------------|---------------|---------------|---------------|--------------------|-------------------|-----------|----------------|----------|
| 1                       |               | 2             | 3             | 4                  | <u></u>           | 6         |                |          |
|                         |               | CAE           | BH BENT.      |                    |                   | OWNER'S S | HARE OF        |          |
| Details.                |               | Area.         | Rent.         | Rate per<br>Bigha. | Menial's<br>dues. | Area.     | Share.         | Remadrs. |
| Chahi permanent present |               | 10,331        | Rs.<br>33,339 | Rs. A. P.          | 1                 | 126       | 19             |          |
| Chahi Sairaba present   |               | 1,186         | 2,851         | 2 5 1              |                   |           |                |          |
| Chahi Temporary present | ,,,           | 540           | 1,414         | 2 9 11             |                   | 13        | 38             | -        |
| Chahi Former            | 41.           | 2,171         | 4,624         | 2 1 8              |                   | 14<br>10  |                | - 1      |
| Former                  |               | 1,667         | 3,154         | 1 14               | 5                 | 470       |                |          |
| Sairah<br>Now           | •••           | <b>5,41</b> 9 | 8,951         | 1 10               | 6                 | :         | 2 }            | _        |
| Khatili                 | ***           | 310           | 99            | 3 3                | 2                 |           |                |          |
| Barishi                 | •••           | 577           | 71            | 9 1 4              | 0                 | m         | •••            | _        |
| E Barani                | •••           | 27,00         | 5 24,0        | 0 14               | 3                 |           | 8              | 12       |
| Barani Bhur             | 101           | 6,78          | ł             | 16 0 7             | 10                | •••       |                |          |
| Total                   | <b>V.1</b>    | 65,9          | 79 83,5       | 392 1 8            | 2                 | .         | 50<br>13<br>10 | 3        |

No. 6-A .- Statement showing rent by class of soil (Mafi).

|                |           |             |                     | doubement   |               | Tons by the        |                   | (2007),    |                  |          |
|----------------|-----------|-------------|---------------------|-------------|---------------|--------------------|-------------------|------------|------------------|----------|
|                |           | 1           |                     | 2           | 3             | 4                  | 5                 | 6          | 7                | 8        |
|                |           |             |                     |             | Cash rent     | •                  |                   | Owner's    | EHARR OF         |          |
|                | De        | tails.      |                     | Area.       | Rent.         | Rate per<br>Bigha. | Menial's<br>dues. | Area.      | Share.           | Remarks. |
|                |           | ,           | Chahi permanent.    | 1,686       | 4,751         | Rs. A. P.          | 1                 | 136        | 1<br>2<br>2<br>8 |          |
| Chahi present  |           | • <b>••</b> | Chahi saira-<br>ba. | 169         | <b>43</b> 2   | 2 8 11             | 444               | 28         | 36               |          |
| hahi Temporary | prese     | ent         | •••                 | 34          | 91            | 2 10 10            | 321               | •••        | ***              |          |
| ahi former     | • • •     | •           |                     | <b>2</b> 80 | 576           | 210                | •••               | •••        | ***              |          |
|                |           | Former      | ***                 | 107         | 149           | 1 6 7              | 4++               | 411        | etb              |          |
|                | Sairaba.  | Now         | ***                 | 338         | 644           | 1 14 6             | 114               | 54         | ż                |          |
|                | <b>62</b> | Khatili     | 111                 | 35          | 37            | 1 0 11             | ***               |            | 100              |          |
|                | Barani.   | Barishi     | 100                 | 37          | 42            | 1 2 0              |                   | •••        | 111              |          |
| •              | Ban       | Barani      | •                   | 3,144       | <b>2,</b> 586 | 0 13 2             |                   | 122        | ż                |          |
| Barani Bhur    |           | • .         | 111 411             | 493         | 248           | 080                | ***               | •••        | ***              |          |
|                |           |             | tal                 | 6,323       | 9,556         | 182                | 411               | 180<br>164 | ręm pio          |          |

#### No. 7 .- Statement of Tenures.

|   |                  |                           |            | •             | No. 7                    | -Diatei    | uent oj                      | T 019 (       | v. 00•            |                 |                        |                          |                           |      |                         | ·<br>     |
|---|------------------|---------------------------|------------|---------------|--------------------------|------------|------------------------------|---------------|-------------------|-----------------|------------------------|--------------------------|---------------------------|------|-------------------------|-----------|
| 1                                       |                  | 3                         | 3          | 1 4           |                          | Б          | 6                            | 7             | 8                 |                 | 9                      | 10                       | 11                        | _ _: | 12                      | 13        |
| Tenures.                                | Lead             | ling tribes of<br>owners. | Doillorte  | No. of o      | Absentees and deserters. | Total.     | No. of proprietary holdings. | Total Area.   | Cultivated area.  |                 | Jama in tho past year. | No. of tenancy holdings. | No. of occupancy tenants. |      | No. of tenauts-at-will. | Rewarks.  |
| amindari joint                          | Jat Si           | insinwar                  | {          | 328 67        | 101                      | 420<br>85  | 151<br>105                   | 13,01<br>7,45 | 1                 | 8,038<br>1,486  | 9,329                  |                          |                           | - 1  | •••                     | i         |
| Khalsa 30, Mafi 2                       | Othe             | er Jats                   | . {        | 381           | 123<br>75                | 507<br>204 | 103<br>30                    | 17,5<br>6,7   | 1                 | 8,174<br>4,800  | 7,724                  |                          | ļ .                       |      | ***                     | ζh.,<br>Μ |
| Pattidari Imperfect                     | Bajj             | put                       | {          | 271           | 83                       | 351        |                              | 56,0          | 117               | 14,947<br>73    | 16,494                 |                          | - 1                       |      | ***                     | Kh,       |
| Khalsa 817, Mail 87                     | Dh               | akats                     | {          | 607           | 103                      | 805<br>64  | 255<br>24                    |               | 220<br>,390       | 5,903<br>704    | 11,120                 |                          | _                         |      |                         | Kh.       |
| Pattidari perfect                       | Gt               | njar                      | {          | 5,033         | 378<br>21                | 5,411      | 1,718                        | 1             | ,418<br>1,203     | 70,520<br>2,810 | 1,01,745<br>5,735      | 1                        | - 1                       |      | 340                     | Kh. t     |
| Khalsa 12, Mail 2                       | B                | irahman and Bag           | ri{        | 550<br>203    | 248<br>11                | 607<br>214 | 21                           |               | ,169<br>2,711     | 15,470<br>1,691 | 23,25                  | 7                        | - 1                       |      | 6++<br>2++              | Kh.<br>M. |
| Bhayachara perfect<br>Khalsa S.         | - X              | Mena                      | : {        | . 218 1<br>26 | 55<br>0                  | 273        | 1                            |               | 8,403<br>1,625    | 4,560           | 7,00                   |                          | -                         |      | ***                     | Kh.       |
| Bhayachara Impe<br>Khalsa 23, Mafi 2    |                  | Mali and Kachi            | {          | · 96          | 32                       | 1          |                              | 19            | 8,833<br>763      | 4,113<br>512    | i                      | - 1                      |                           | •••  |                         | Kh.       |
| Pattidari Bhayach<br>Khalsa I, Mafi I   |                  | Gaddis                    | {          | 292           | 1                        | l          | 11<br>15                     | 31            | 8,597<br>3,429    | 5,50<br>1,90    | 1                      | ı                        |                           |      |                         | Кв.<br>М. |
| Kham 11                                 |                  | Shaikh, S<br>Pathau.      | aisad, {   | 4:            | l l                      | 1          | 19                           | 5             | 6,232<br>79       | 7               | 13 2,                  | 111                      |                           |      |                         | Кb.<br>М. |
| . Stato property 1                      |                  | Others                    | <          | E 10          | 1                        |            | 73                           | 17<br>26      | 2,075             | 1,23            |                        | ,775                     |                           |      |                         | Kh.<br>M. |
| Khalsa<br>. Maû<br>Total                | 153<br>16<br>103 | Kbam                      | , .        |               |                          | .,,        | _                            | 4             | 7,303             | 1,9             | 27 3                   | .000                     |                           |      | <i>,</i>                | Kh.       |
| *************************************** |                  | State Propert             | ·<br>y ··· | {<br>         |                          | ··\        | 1                            |               | 2,001<br>40       | 1               | 1                      |                          |                           | <br> |                         | Kh.       |
| *************************************** | •                | TOTAL                     | •••        | -             |                          |            | 1,977                        | 2,773<br>919  | 4,70,433<br>30,70 | -1              | — —                    | 5,973                    | 9,095<br>1,235            | 1,50 |                         | 544 Kh.   |

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No. 8 .- Statement of Cattle, Carts, Population, etc.

| 28                                      |  | Remars.               |              | ,     | <del></del>                                      | <br><u>6</u>                                    |                                       |          |          |
|---|--|-----------------------|--------------|-------|--|---|---------------------------------------|----------|----------|
| 23                                      |  |                       | Grand Total. |       | 61,72  | <br>34,162 28,757 62,919                        |                                       |          |          |
| 21                                      |  | 91,                   | Lemsjes.     |       | 27,68  | <br>28,76                                       |                                       |          |          |
| 22                                      |  | Total.                | Males.       |       | 34,039   | <br>  |                                       |          | 1        |
| <br>61                                  | z  | LTI.                  | Females.     |       | 10,358   | <br>6,572                                       |                                       |          | <u> </u> |
| 18                                      | POPULATION.                                      | NON-CULTI-<br>VATONB. | VI2les.      |       | 11,892   | <br>7,452                                       |                                       |          | -        |
| 11                                      | POPU   |                       | Females      |       | 22,147 17,331 11,892 10,358 34,039 27,689 61,728 | 26,710 22,185 7,452                             |                                       |          | -        |
| 16                                      | -  | CULLIVATORS.          | Males.       | 1     | 22,147   | <br>26,71(                                      | · · · · · · · · · · · · · · · · · · · |          | -        |
| 16                                      | -  | -                     | -slieto O    |       | :  | :   |                                       |          | -        |
| 12                                      | <del>                                     </del> |                       | ,e118.       |       | 06   | <br>204   |                                       |          | -        |
| ======================================= | 1  | <u> </u>              | ·lato        | ı     | 63,716   | 94,386  |                                       |          | _        |
| 133                                     |  |                       | amela.       | p     | 607  | 899   |                                       |          | _        |
| -                                       | <del></del>                                      |                       | nje8.        | rx    | io   | :   |                                       |          | _        |
| 5                                       |  |                       | onkeys.      | a     | 463  | <br>1,451                                       |                                       |          | _        |
| -                                       | <del>-  </del> -                                 |                       | .83910       | ЭН    | 597  | 737   |                                       |          | _        |
| -                                       | <u> </u>   |                       | epand Boats. | oqg   | 17,290   | 30,828  |                                       |          | _        |
|   |  |                       | bullaloes.   | PH H  | 952  | 14,318 6,5001 13,636 28,363 16,620 2,183 80,828 |                                       |          | -        |
| -                                       | 9  | <u> </u>              | •buffaloes•  | гре   | 11,680 6,3003 10,817 23,411 9,570                | 16,62   |                                       | <u> </u> |          |
| -                                       | 10.  |                       | •6           | Con   | 23,411   | 6 28,36   |                                       |          |          |
| -                                       | 4  | -                     | *6           | 1010  | 10,817   | 13,63   |                                       |          |          |
| }                                       | 0  |                       | • इपृटे      | Ploui | 6,3003   | 8 6,500   |                                       |          | <u>.</u> |
|   | 63   |                       | .83.         | suo H | 11,680   | <br>14,31                                       |                                       |          |          |
|   | 1  |                       | Details.     |       | Sottlement Sambat 1947                           | Present Settlement                              |                                       | r42      |          |

TAHSIL BIYANA.

No. 9 .- Statement showing details of wells, etc.

|                           |                                       |             |                                      | :                   | 1                              | 1            |
|---------------------------|---------------------------------------|-------------|--------------------------------------|---------------------|--------------------------------|--------------|
| 1                         | 1                                     |             |                                      |                     | •                              |              |
|                           |                                       |             |                                      |                     |                                |              |
| BR.                       | 1                                     |             |                                      |                     |                                | 1            |
| DRENKLIS AT WORK.         |                                       |             |                                      |                     |                                | ,            |
| NKLIS                     | 6.3                                   |             |                                      | Not norking.        | :                              |              |
| DIG                       | TRMPO-<br>BARY.                       |             |                                      | Working.            | 61<br>72                       | n            |
| 3                         | ğ                                     |             |                                      | Not working.        | 1                              |              |
|                           | Print.                                |             |                                      | .Yorkiog.           | ol ol                          | -            |
| DHERS AT WORK.            |                                       |             |                                      | Not working.        | 4                              |              |
| HU                        |                                       |             |                                      | Working.            | 613                            | 119          |
| 3                         |                                       |             |                                      | Onder construction. | 131                            |              |
| -                         |                                       |             |                                      | Out of working.     | 301                            | 3            |
| -                         |                                       |             | La08,                                | Not working.        | 128                            | £66          |
| -                         |                                       | rking       | P .                                  | Workieg.            | 2,310                          | 365          |
| 1                         | 抗                                     | Not Working | .si                                  | Not Working.        | 1965                           | Ť.           |
| 1                         | Present Settleminf,                   | ]           | Wells,                               | Working.            | 1,776;                         | £1\$22       |
| 3                         | S EW                                  |             | F. 513                               | Not norking.        |                                | }:           |
| - E3                      | Parsi                                 |             | New wells<br>sunk,                   | Morking.            | <b>1 1 1 1 1 1 1 1 1 1</b>     | <b>1 6</b> . |
| WELL                      |                                       |             | Old wells<br>restored.               | Not working,        | 1                              |              |
| MASONRY WELLS.            |                                       |             | Old v<br>resto                       | Working.            | \$20                           | <b>∫</b>     |
| MAS                       | 1                                     |             | ing<br>last<br>sent.                 | Not notking.        | ;                              | <b>!</b> .   |
| 4                         |                                       |             | Working<br>since last<br>Settlement. | ·ZaiżioV/           | 1,760€                         | 1002         |
|                           |                                       |             |                                      | Out of working.     | 316                            | 85           |
| =                         | SMT.                                  |             |                                      | Not working.        | :                              | i            |
| =                         | Last Settlineme.                      | Fella.      | Laos.                                | ·Vorking.           | 3,640}                         | 429}         |
|                           | LAST S                                |             |                                      | Not working.        | ŧ                              |              |
| 2                         |                                       |             | Wells.                               | ·Znid10VI           | 1,033}                         | 301          |
| I.I.S.                    |                                       | ary.        | <del></del>                          | Former.             |                                | 1            |
| IA WEI                    | 12                                    | Temporary.  |                                      | Present.            | 1,000                          | . 60         |
| CHAIT OF KACHA WELLS,     | Now.                                  | Permanent.  |                                      | Former.             | 1,378                          | 113          |
| TIL OF                    |                                       | Permit      |                                      | Present.            | 9.00                           | 621          |
| CHAN                      | _                                     | <del></del> |                                      | Last Settlement.    | 32,076 9,821 6,076 1,379 1,000 | :            |
| MASO.                     | PRESENT.                              |             |                                      | Present.            |                                | 998,         |
| CHAIIT OF MASO-NEY WELLS. | Pri                                   |             |                                      | Former.             | 6,501                          | 1,210        |
| CHAIN                     |                                       |             |                                      | Last Settlement.    | 43,867                         | :            |
| 1                         | · · · · · · · · · · · · · · · · · · · |             |                                      |                     |                                | :            |
|                           |                                       |             | ی                                    |                     |                                | Ŧ            |
| -                         |                                       |             | Defails,                             |                     | ·                              |              |
|                           |                                       |             | ٠                                    |                     | æ                              |              |
| 1                         |                                       |             |                                      |                     | Kbalaa                         | Nation .     |

| water.               |
|----------------------|
| quality of           |
| f wells by           |
| No. 9-4.—Statement o |
| N                    |

|   | 26       | Was a spirit with a supply and a supply a supply and a supply and a supply and a supply and a supply a su |                            |                          | Brithes.                   |          | -        | ,        | ,              | •       |        |  |                |          |          |
|---|----------|--|----------------------------|--------------------------|----------------------------|----------|----------|----------|----------------|---------|--------|--|----------------|----------|----------|
|   |          |  |                            |                          |                            |          |          |          |                |         |        |  |                |          |          |
|   | 24       |  |                            |                          | JeioT                      | 40,071   | 0,511    | 1,413    | 118            | 2,034   | 208    | 2,505                                      | 403            | 48,930   | 7,520    |
|   | 21 23 23 | TOTAL.   | Chahi Former.              |                          | 6,903                      | 1,075    | 301      | 118      | 1 282          | 23      | £18    | 8  | 7,883          | 1,323    |          |
|   |          |  | Chabi temporary present.   |                          | 900                        | 22       | 19       | :        | 9              | 0       | , a    | ង  | 1,000          | 100      |          |
|   |          |  | Cpupi Descuraceat presect. |                          | 32,250                     | 5,361    | 1,123    | 103      | 3,005          | 610     | 2,001  | 318  | 38,051         | 0,368    |          |
|   | 20       | -  | Авна,                      |                          | Chadi Former.              | E        | 1        | :        | :              |         |        | 1  | "              | :        | :        |
|   | 10       |  |                            |                          | Chahi Tempotary present.   | 35       | :        | :        | :              | ŗ       | :      | . :  | ;              | 25       | i        |
|   | 18       |  |                            |                          | Chabl permanent present.   | . 92-    | :        | :        | :              | :       | :      | ;  | :              | 26       | <u> </u> |
|   | 17       | DHE  | TEMPORARY,                 |                          | Not working.               | :        | ÷        | ;        | ] ;            | :       | 1      | ;  | ;              | :        | i        |
|   | 16       |  | Txxr                       |                          | Working.                   | - A      | ;        | <u>.</u> | ;              | :       | :      | :  | ;              | ñ        | ;        |
|   | £ .      |  | Permant.                   |                          | Not working.               | <u> </u> | :        | :        | :              | :       | :      | :  | 1              | 1        | ŝ        |
|   | 14       |  |                            |                          | Working.                   | *        | ÷        |          | :              | :       | i      | :  | ;              | , z      | ÷        |
| , | 13       | кнам.  |                            |                          | Chabi Former.              | 1,269    | 8        | ) 6s     | :              | 25      | ដ      | 35   | :              | 1,378    | 113      |
|   | 10 11 12 |  | ABEA.                      | Chahi Temporary present. |                            | 250      | 75       | ;        | ;              | 18      | :      | តី   | :              | 918      | 28       |
|   |          |  |                            |                          | Chabi permanent present.   | 4,028    | 487      | -130     | 2              | 126     | 14     | 166  | Et .           | 5,075    | 521      |
|   |          |  | No. of walls.              |                          | Not working.               | 77       | 0        | 1        | :              | ī       | :      | . 8  | :              | 47       | 9        |
|   | •        |  |                            |                          | .Zajá10V/                  | 802      | £.       | 01       | i              | 14      | -      | - 41                                       | :              | 100      | 44)      |
|   | σ,       | ·  | Ansı.                      |                          | Cpspi Po <sub>r</sub> mer. | 632      | 15       | 19       | :              |         | 6      |  | 23.0           | 88       |          |
|   | 4        |  |                            |                          | Chabi Temporary.           | 27,409   | 4,874    | 003      | 180            | 3 2,179 | 203    | 1,803                                      | 306            | 1 32,070 | 0 6,507  |
|   | 0        | MASONRY.   |                            |                          | Chabi perioavout present.  | 5,035    | 473      | 5 271    | 2 118          | 4 233   | 1 60   | 303  | 83             | 1 0,501  | 1,210    |
|   | 22       |  | Тистя,                     | Wells. Laos.             | Not working.               | 1,051    | 3 28}    |          |                |         |        | 11   |                | 138      | 333      |
|   | 4        |  |                            |                          | Working.                   | 1,901    | 303      | 4.<br>58 | 85<br>85<br>85 | 2 159k  | 1 30}  | 10 1311                                    | 3 .            | 3,2(0    | 364      |
|   | •        |  |                            |                          | Not working.               | £09      | 198      |          | 6              |         |        |  | 17             | i, 105g  | 118      |
|   | ea       |  |                            |                          | Working.                   | 1,610\$  | 123}     |          | : 1            | 115}    | 725    | 103  | :              | 1,7781,  | 274 }    |
|   | (        |  |                            |                          |                            |          |          |          |                | -       |        | :  | .              | : 1      |          |
|   | -        |  |                            |                          | Details.                   | ਜ਼       | Ĭ.       |          | į              |         |        |  |                |          |          |
|   |          |  |                            |                          | Khalia,                    | Man      | f Khalsa | o Mad    | Khalsa         | EH.     | Khalan | EE New New New New New New New New New New | Land<br>Rhyles | ra       |          |

No. 1-Area Stalement-contd.

|            | Total, Bareal, Bbur.            | 8,303 8,303  | 7,420 601 8,414  | +001+ +10  | 633 8,773  | 1,08,810   | 37 1,22,687  | 7 +13,811  | 3 1,27,524   |
|------------|---------------------------------|--|--|--|--|--|--|--|--|
|            | .lastel                         | 8,363  |  | +004   | 633  |  | 8  | . 1  | ~  |
|            |                                 |  | 7,420  |  | 1  |  | 19,367   | +15,367  | 20,823   |
|            | Total                           | 7  |  | 078  | 7,841  | 1,09,840   | 1,63,356   | -5,466   | 1,66,701   |
|            |                                 | ₹(   | 1,462  | <del>1</del> 08  | 1,420  | 6,329  | 16,834   | +4,505   | 8,010  |
|            | Barishi.                        | 1  | 18   | +10  | 15   | :  | 437  | + (37  | 236  |
|            | Former.                         | ŧ  | 21   | +31  | 179  | 93.  | 503  | -411   | 1,666  |
|            | Present.                        | 474  | 1,423  | +018   | 1,226  | 5,386  | 0,805  | +4,509   | 0,768  |
| · <u>·</u> | Kbatili.                        | i  | :  | ;  |  | ;  | 482  | +483   | 375  |
|            | Total.                          | ;  | 440  | + 440  | 614  | ;  | 2,99.1   | +2,964   | 4,223  |
|            | Former.                         | :  | 1  | , .  | :  | :  | 0  | 0+   | 83   |
|            | Present                         | :  | 410  | +410   | 613  | ī  | 2,033  | +2,988   | 4,141  |
|            | Tota).                          | 7,023  | 6,040  | -1,076   | 0,238  | 80,308   | 69,417   | -10,981  | 03,030   |
|            | Temporary present.              | į  | 41   | 15+  | 80   | :  | 280  | +780   | 1,467  |
| NENT,      | Former,                         | 67   | 1,570  | +1,603   | 1,754  | 16,029   | 16,990   | + 970  | 10,750   |
| Рвим       | dassir                          | 7,026  | 4,335  | -2,685   | 4,516  | 70,369   | 61,032   | -18,737  | 49,873   |
|            | Vew fallow.                     | 4,771  | 1,067  | -2,801   | 1,74   | 55,033   | 25,166   | -23,807  | 27,350   |
| ۲۵,        | noqorq olahS oldsaesesena radiC | 1  | :  | <u> </u> :   | :  | 206  | 265  | <u> </u>   | 202  |
|            | fotal uncultivated.             | 3,600  | 4,312  | +1,262   | 3,833  | 1,17,361   | 1,46,928   | +23,537  | 1,30,337   |
|            | wolfet bic                      | 808  | 2,300  |  | 1,961  | 20,127   | 51,558   | +25,431  | 50,223   |
| ,          | )[pcta-                         | 1,813  | 8  | -873   | 489  |  | 37,554   |  | 37,317   |
| Опи        | *6[[]]                          | 1 12   | 1,005  | +620   | 1,005  | 83,8 00  | 44,358   | 1,88,  | 44,338   |
| 488.       | ,iaoni,                         | 3 3  | :  | :  | :  | ;  | :  | <u>'</u><br>  :  | :  |
| State      | *pun                            | 1  | :  | 1  | 1  | 4,458  | 4,458  |  | 4,458  |
|            | , of of a reco.                 |  | 22,616   | -1,676   | 22,021   | 3,74,619   | 3,74,603   | 910  | 3,74,003   |
| ,          | Period,                         | Last softloment  | Sambat 1655 ≈ 1869-69  | Difference   | Sambat 1656 = 1609-1900  | Last settlement  | Sambat 1655 = 1898-06  | Difference   | Sambat 1656 = 1899-1990  |
|            |                                 | innd.  Si | Egypta Total area.  Edward.  Edward.  Edward.  Edward.  Edward.  Egypta Hallow.  Egypta Total uncultivated.  Egypta Total uncultivated.  Egypta Total.  Egyp | Tast sell(forment Enmon Enmo | Perfol   P | Period.   Peri | Period.   Peri | Parket   P | Frank   1975   1,000 |

### No. 1-Area Statement-conold. TAHSÍL BHUSAWAR.

|                |           |         | , ,          | 1                 | •               |                        | <u>;</u>   |                       | ,               | ·                    |                        |                        |
|----------------|-----------|---------|--------------|-------------------|-----------------|------------------------|------------|-----------------------|-----------------|----------------------|------------------------|------------------------|
| . 97           |           |         | BREARS.      |                   |                 | •                      |            | ,                     |                 | ٤                    |                        | •                      |
| 2 <del>4</del> |           | 4       |              | Ol mater.         | 0               | 9                      | [          | -                     | ;               | 9                    | :                      | :                      |
| #              | H.        | Кпли.   |              | To vater.         | es<br>es        | 35                     | + +        | ;                     |                 | -                    | :                      | :                      |
| <b>a</b>       | DEPTH.    | , a     |              | .191sm 10         | 11              | 22                     | î          |                       | :               | 2                    | :                      |                        |
| <b>å</b>       |           | Magnex. |              | To water.         | æ               | 33                     | 7          |                       | :               | 33                   | :                      |                        |
| =              | TIS.      |         |              | Temporary.        | :               | -                      | 7          | :                     | :               | \$                   | +49                    | 930                    |
| <del>-</del>   | DHENKLIS. |         | <del> </del> | Бехтаперс         | :               |                        | 7          |                       | m               | 256                  | +243                   | 285                    |
| 8              |           |         |              | Not working.      | el              | 80                     | +          | 28                    | 22              | 55                   | + 333                  | 22                     |
| 8              |           | м.      | Laos         | Working.          | 18              | 88                     | +70        | 100                   | 431             | 626                  | +101                   | 939                    |
| 32             |           | KHAM.   | 7            | Not working.      | -               | Ø                      | 2+         | 32                    | ន               | 33                   | +33                    | R                      |
| e              | ,         |         | IPells.      | Vorking,          | 18              | 8                      | 02+        | 100                   | 189             | 625                  | +101                   | 933                    |
| SS.            | Wells.    |         |              | Not working.      | 13              | 09                     | + 37       | 37                    | 117             | 2175                 | +306                   | 516                    |
| 5              | Í         | NAX.    | Laot.        | •ZaiásoV/         | 250             | 266                    | +10        | 281                   | 2,018           | 3,009                | +891                   | 3,02,5                 |
| S              |           | Манония | 110          | Not working.      | æ               | e                      | +          | 23                    | 40              | 325                  | + 282                  | ase .                  |
| 8              |           |         | Welle,       | •2ai410W          | 227             | 211                    | -10        | 223                   | 2,325           | 2,150                | -163                   | 2,179                  |
| E              |           |         |              | Out of working.   | 83              | 62                     | 1          | 25                    | £83             | 420                  | - 63                   | 405                    |
| 90             |           |         |              | Farani.           | E               | n. nh.                 | +63 +13    | B, Mb,                | 657             | B. Bh.               | 4407                   | B, Bh,                 |
| 20             | GARDENS.  |         |              | aderieb.          | :               | 1                      |            | 1                     | ī               | 25                   | +25                    | 50                     |
| 28             |           |         |              | СРОРГ             | :               | 13 29                  | +13 +21    |                       | :               | н. 8.                | +37 +41                | 11.<br>73 8.           |
| 2,2            |           | !       |              | Total cultivated. | 15,804          | 10,209                 | +374       | 10,945                | 2,01,673        | 2,06,415             | +4,811                 | 2,09,623               |
| ra era         |           | ,       | Perfod.      |                   | Last settlement | Sambat 1055 es 1899-09 | Difference | Sambat 1056=1690-1000 | Last settloment | Bambat 1055.m1693.90 | Difference             | Sambat 1056-1892-1903. |
| -              |           | ,       |              | Defails.          |                 | *1/                    | iik        |                       |                 | *217                 | о <sub>1</sub><br>в-41 |                        |

TAHSIL BHUSAWAR,

| <b>1</b> 1 | i              | ,                   | 1                               | 365             | , 20¢              | 100                 | 320        | 200                     | 783             | 1,270                 | +490         | 1,245                   |
|------------|----------------|---------------------|---------------------------------|-----------------|--------------------|---------------------|------------|-------------------------|-----------------|-----------------------|--------------|-------------------------|
| ρ<br>Q     |                |                     | ,Total,                         | 500,605         | 1,17,204           | 1,12,005            | +13,329    | 1,17,506                | <u> </u>        | , i                   | <u> </u>     | 1,                      |
| 92         | DABANI.        |                     | Bhor.                           | 1               | i                  | 18,301              | +18,301    | 19,882                  | :               |                       | \$<br>+      |                         |
| 2          | H              |                     | Jarranl.                        | 90,00           | 1,17,201           | 04,090              | -4,975     | 87,021                  | 282             | 1,270                 | +487         | 1,230                   |
| 8          |                |                     | LatoT                           | 5,837           | 3,631              | 0,372               | +3,535     | 7,190                   | B B             | :                     | 138          | :                       |
| 23         | À.             |                     | ,idsirta                        |                 | :                  | 418                 | +418       | 231                     | :               | :                     |              |                         |
| п<br>П     | BAIBADĄ.       |                     | Former.                         | 816             | :                  | 481                 | 1463       | 1,487                   | :               |                       |              |                         |
| 20         | •              |                     | Present.                        | 4.80\$          | 3,031              | 8,473               | +3,670     | 6,483                   | 18              |                       | ñ            | :                       |
| <br>er     |                |                     | Khatill.                        | :               | ,<br> <br>         | 462                 | 4409       | 368                     |                 | . 20                  | 02+          |                         |
| 18         | Α,             |                     | latoT                           | :               | i                  | 2,538               | +2,549     | 3,709                   |                 | :                     |              | -                       |
| 17         | CHAHI SA1RABA. |                     | Former.                         | :               | !<br>!             | 0                   | 9<br>†     | 83                      |                 |                       |              | :                       |
| 10         | СНАВ           |                     | Ргезець.                        | :               |                    | 2,513               | +3,642     | 3,027                   | :               |                       |              |                         |
| 15         |                |                     | , lajoT                         | 78,741          | 60,393             | 62,801              | -15,943    | 0,170                   | 83,7            | 679                   | 88 +         | 673                     |
| 2          | 11.            |                     | Temporary present.              | :               | :                  | - SE                | +736       | 1,389                   | :               | <u> </u>              | <del>}</del> | i s                     |
| <u> </u>   | спані.         | BHT.                | Former                          | 15,091          |                    | 126,31              | 029-       | 14,970                  | . 8             | 13                    | <b>\$</b>    | S                       |
| 121<br>121 |                | Рввиливит.          | Present.                        | 02,750          | 69,393             | 169'97              | -10,039    | 41,620                  | 693             | 000                   | 4            | 637                     |
| п          |                |                     | Vew fallow.                     | 49,661          | 63,477             | 23,140              | -20,161    | 25,611                  | 190             | 6                     | -603         | 190                     |
| 91         |                | ty.                 | Other unassessable State proper | 202             | <u> </u>           | . 202               | 1          | 202                     | :               | :                     | :            | :                       |
| 0          |                |                     | Toial uncaltiyated.             | 1,13,411        | 1,10,203           | 1,35,610            | +22,009    | 1,31,300                | 020             | 1,108                 | +180         | 1,114                   |
| 8          |                |                     | wolled fallow.                  | 28,165          | 30,02,1            | 52,865              | +23,910    | 48,207                  | 99              | 127                   | 45+          | 120                     |
| -          |                | 1719,               | Ofhers.                         | <u>8</u>        | 8                  | 35,631              |            | 35,362                  | 9.              | 070                   | 6            | 880                     |
| •          | UNCULTURABLE.  | Отпина,             | Hills.                          | 80,7,88         | 75,1 23            | 43,353              | 11,811     | 43,333                  | 0 <u>0</u>      | i                     | +133         | :                       |
| - C        | NCULI          | я э                 | -laan <sup>8</sup>              | :               | 1                  | <u>.</u>            | <u> </u>   | :                       | :               | :                     | :            | :                       |
| 4          | Ü              | State<br>Presenves, | ·pang                           | 4,459           | 4,458              | 4,459               | i.         | 3,158                   | ì               | ;                     | :            | :                       |
| 8          |                | ·                   | Total area.                     | 3,49,150        | 3,49,368           | 3,18,723            | +          | 3,18,219                | 3,011           | 3,131                 | +120         | 3,131                   |
| 6          |                |                     | Period.                         | Last settlement | Arcingo of 6 years | Fambat 1055-1898-09 | Difference | Sambat 1950 - 1899-1000 | Enst settlement | Sambat 1855 = 1899-99 | Difference   | Sambat 1956 = 1899-1960 |
| -          |                |                     | Defalls.                        |                 |                    | Knirst.             |            |                         |                 | 'EYEKY,               | ral          |                         |

| * * | ment-contd. |
|-----|-------------|
| į   | rea State   |
| ,   | No. 1-4     |
|     | •           |

| Ī    | 1         |          | <b>4</b>  |                   |                 |                   |                       |           |                         |                 |                                       |            |                          |
|------|-----------|----------|-----------|-------------------|-----------------|-------------------|-----------------------|-----------|-------------------------|-----------------|---------------------------------------|------------|--------------------------|
| 8    |           |          | Remabes.  |                   |                 |                   |                       |           |                         |                 |                                       |            |                          |
| ,    |           |          | R         |                   |                 |                   |                       |           |                         |                 |                                       |            |                          |
| 45   |           | K.       |           | Of water.         | 7               | :                 | 10                    |           | ':                      | ;               | 0                                     | ;          |                          |
| 2    | ii.       | Кпли     |           | noter.            | 23              | :                 | 6                     |           | .   :                   |                 | 1 1                                   |            | :                        |
| 55   | DEPTH.    | YBY.     |           | saster 10         | 12              | . ;               | 1 2                   | :         | :                       |                 | 1 2                                   |            | •                        |
| - 43 |           | Макоивх. |           | To water.         | 53              | :                 | 33                    | :         | :                       | :               | 22                                    | :          |                          |
| #    | KLIS.     |          |           | Temporary.        | :               | :                 | 48                    | +40       | 228                     | :               | 122                                   | +          | 4                        |
| 8    | DHENKLIS. |          |           | Permanent.        | 8               |                   | 1 2                   | +238      | . 253                   | :               |                                       | :          | .  :                     |
| 89   |           |          | 09.       | Not worklage.     | 21              | ;                 | 47                    | 92+       | <b>\$</b>               | :               | :                                     | :          | ;                        |
| 33   |           | Z.       | . Laos.   | .Yorking.         | 416             |                   | 636                   | +120      | 831                     | :               | 1                                     |            | 61                       |
| 48   | ·         | Киль     | 11.       | Not working.      | 12              | :                 | 47                    | +20       | \$                      | :               | :                                     |            | :                        |
| . 88 |           |          | . 1Fells. | Working.          | 416             | :                 | 636                   | +120      | 831                     | <b>:</b>        | 7                                     | ;          | 61                       |
| 33   | WELLS.    |          | Ldos.     | Not working.      | 101             | :                 | 423                   | +318      | 470                     |                 |                                       |            | :                        |
| 3.5  | F         | Мавойих. | Lo        | Working.          | 2,731           | ;                 | 2,714                 | -12       | 2,713                   | 58              | ea<br>                                | F +        | Ç.                       |
| 33   |           | Маво     | Wells.    | Not working.      | 8               | :                 | 264                   | +263      | 320                     |                 | :                                     |            |                          |
| 23   |           |          | 17.6      | Working.          | 2,050           |                   | 1,037                 | -163      | 1,938                   | 18,             | 81                                    | :          | 18                       |
| . E  |           |          |           | Saizton lo JaO    | 443             | !                 | , g                   | 09        | 379                     | -               | -                                     | :          | 1                        |
| 30   |           |          |           | Bozont,           | 290             | 1,037             | I,019 10.             | +403      | B, Bh,                  | 1               | :                                     |            |                          |
| . 83 | GARDENS.  |          |           | . ndaring.        | :               | 1                 | 25                    | +33       | 26                      |                 |                                       |            | :                        |
| 28   |           |          |           | Chahl             | ŧ               | -                 | II. S.                | + 24 + 23 | H. 8.                   | l :             | i :                                   | :          |                          |
| 27   |           | L        |           | Total cultivated. | 1,81,216        | 1,70,629          | 1,88,177              | +3,631    | 1,69 652                | 1,133           | 1,669                                 | +336       | 1,923                    |
|      | -         |          | Period.   |                   | Last settlement | Average of Cyents | Sambit 1066 = 1809-99 | Distence  | Sambat 1050 = 1899-1800 | Last settlement | Sambat 1665 = 1993-09                 | renco ···  | Sa ubat 1836 = 1-29-1000 |
| _    | 0         |          |           | Detilier          | Lant            | Aver              | Knitsi.               | Diffe     | - Samb                  | Last            | S S S S S S S S S S S S S S S S S S S | Difference | Sa no                    |

No. 1-Area Statement-contd.

| 26 |                | •                  | •fafoT                                 | 8,308           | 8,414                 | +10        | 8,773                   | 1,08,810        | 1,22,687              | +13,811    | 1,27,624                |
|----|----------------|--------------------|--|-----------------|-----------------------|------------|-------------------------|-----------------|-----------------------|------------|-------------------------|
| 25 | BARAN1.        |                    | Bhur.                                  |                 | <b>\$</b> 00          | +00+       | 033                     | i               | 10,307                | +19,307    | 20,823                  |
|    | -              |                    | Baranl.                                | 8,308           | 7,120                 | -078       | 7,841                   | 1,08,819        | 1,03,386              | - 5,468    | 1,06,791                |
| 23 |                |                    | .laŝo],                                | \$75            | 1,462                 | +03        | 1,420                   | 6,329           | 10,834                | +4,565     | 8,610                   |
| 23 | BA.            |                    | .ldeirc£                               | 1               | 10                    | +10        | 31                      | :               | 437                   | +437       | 230                     |
| 21 | SAIBABA.       |                    | ormer.                                 | 1 :             | 21                    | +31        | 170                     | 0.13            | 602                   | 148        | 1,000                   |
| 26 |                |                    | *jussoz(*                              | 474             | 1,423                 | +018       | 1,226                   | 6,380           | 0,895                 | +4,500     | 6,708                   |
| 10 |                |                    | .Ulfad                                 | : K             | :                     | :          | :                       | }               | 482                   | +483       | 376                     |
| 18 | JA.            |                    | ofal,                                  | T ;             | 440                   | + 410      | 614                     | :               | 2,001                 | +2,003     | 4,223                   |
| 17 | спані заівава. |                    | .19m1c                                 | E L             | :                     | : .        |                         | ·               | 0                     | P +        | 88                      |
| 16 | СПЛН           |                    | teasur                                 | : E             | 410                   | +410       | 514                     | :               | 2,989                 | +2,088     | 4,141                   |
|    |                |                    | .lct.                                  | or 8,           | 5,018                 | -1,076     | 6,238                   | 80,308          | 411/00                | -10,081    | 060,89                  |
| =  | : :            |                    | mpointy present.                       | T :             | 4                     | 15.+       | 88                      |                 | 780                   | +780       | 1,407                   |
| 2  | спаш.          | EMT,               | tmer.                                  | Φ. I            | 1,570                 | +1,568     | 1,764                   | 10,029          | 16,990                | + 070      | 10,750                  |
| •  | 3              | Рввилявят.         | ###################################### | 7,020           | 4,335                 | -2,685     | 4,416                   | 70,369          | 51,633                | -18,737    | 40,873                  |
| -  | =              |                    | , violici v                            | % I Ne          | 1,067                 | -2.804     | 1,715                   | 65,033          | 25,166                | -29,807    | 27,360                  |
| \  | 음 .            | ٠٤;                | 194014 Btate State proper              | 110             | :                     | :          | :                       | 265             | 205                   |            | 265                     |
|    | 6              |                    | .b9fe7tlf19au fa                       | 10T Se          | 4,312                 | +1,252     | 3,833                   | 1,17,301        | 1,46,928              | +23,637    | 1,36,337                |
|    | 8              |                    | , fallow,                              | PIO SS          | 2,300                 | +1,174     | 1,891                   | 29,127          | 64,658                | +25,431    | 60,221                  |
|    |                | 884                | eta.                                   | 1,813           | 140                   | -872       | 466                     | 99              | 37,554                |            | 37,317                  |
|    | onculturable.  | Отпива             | *8                                     | g nu            | 1,005                 | + 650      | 1,005                   | 83,8 66         | 44,358                | -1,804     | 44,338                  |
|    | oncur<br>oncur | B<br>VERS.         | nī.                                    | ara i           | ;                     | :          | :                       |                 | :                     | :          |                         |
|    | •              | STATE<br>Preserts. | •p                                     | ang :           | ;                     | :          | `                       | 4,468           | 4,458                 | . :        | 4,458                   |
|    | n              |                    |  |                 | 22,040                | -1,070     | 23,621                  | 3,71,010        | 3,74,003              | - 916      | 3,74,003                |
|    | e .            |                    | Period.                                | Last settloment | Sambat 1035 = 1609-99 | Difference | Sambat 1956 = 1899-1969 | Last settlement | Sambat 1056 = 1508-09 | Disference | Sambat 1056 = 1800-1900 |
|    | -              |                    | ·eII                                   | Deta            |                       | MATT       |                         |                 |                       | ATOT       | <u></u>                 |

No. 1-Area Statement-coneld.

| 1        | į.        | ÷ .       |             |                  | I               |                        | 3                          |                       |                 |  |            |                        |
|----------|-----------|-----------|-------------|------------------|-----------------|------------------------|----------------------------|-----------------------|-----------------|--|------------|------------------------|
|          | ļ         |           | •           |                  |                 |                        |                            | a.                    |                 |  |            |                        |
| , S      |           |           | Bekless,    |                  | <b>{</b>        |                        |                            |                       |                 |  |            |                        |
|          | }<br>}    |           | <b>.</b>    |                  |                 | •                      |                            |                       | •               |  |            |                        |
|          |           |           |             |                  |                 |                        |                            | <del>,</del> -        |                 | ·  |            |                        |
| <b>3</b> |           |           |             | .10 len 10       | \$              | ) <sup>©</sup>         | :                          | :                     | 1               | 0  |            |                        |
| *        |           | Килк.     |             | толет оТ         |                 | Ē                      | 63 +                       | :                     | :               | - <del>-</del> - <del>-</del> -  | ;          | :                      |
| 43       | DEPTH.    |           |             | .191er.          | 27              | 15                     |                            | <del> </del>          | ;               | 3  | :          |                        |
| 43       |           | Млеонит.  |             | To valet.        | 33              | 35                     | <u> </u><br>  <del> </del> |                       |                 | 31   | ;          |                        |
|          |           | 1         |             |                  |                 |                        | <u> </u><br>               | <u> </u>              | <u> </u>        | 3  | } '        | 000                    |
| 41       | DRENKLIS. |           |             | Temporary.       | i               |                        |                            |                       |                 | <u> </u>   | +40        | <u> </u>               |
| 40       | 380       |           |             | Permanent.       | :               |                        | ¥<br>                      |                       | 65              | 972  | +243       | 255                    |
| 30.      |           |           |             | .gaiúion 40%     | 1               | 6                      | 7                          | 52                    | 52              | 55   | +333       | 12                     |
| 39       |           | м.        | Laos.       | Worklog.         | 18              | 8                      | +20                        | 106                   | 433             | 828  | +191       | 939                    |
| 37       |           | KHAM.     |             | Not mothing.     | *               | 65                     | +1                         | 23                    | 21<br>#1        | 1 12   | +          | 7.9                    |
| 30       | •         |           | Wells.      | Workiog.         | 18              | 88                     | 4,02+                      | 100                   | 431             | 623  | 101+       | 650                    |
| 200      | WELLS.    |           |             | Not nothing.     | 61              | 8                      | + 37                       | 37                    | lii             | 473  | +356       | 510                    |
| #        | 4         | вх.       | Lass.       | Workiog.         | 250             | 200                    | +16                        | 283                   | 2,018           | 3,009  | 166+       | 3,021                  |
| <b>8</b> |           | MIssonex. |             | ·Zaid10w loN     | &               | 85                     | +                          | ន                     | \$              | 326  | 4236       | 343                    |
| 32       |           | •         | 170114.     | Worklog.         | 227             | 211                    | -10                        | ឡ                     | 2,3:5           | 2,160  | -160       | 2,170                  |
| 31       |           |           | !           | Out of working.  | 33              | £                      | i i                        | 255                   | <b>(</b> 83     | 420  | 3          | 405                    |
|          |           | <u></u>   |             |                  |                 | 4g                     | E1 +                       | Hi EI                 | 290             | 12.2<br>12.2<br>13.2<br>14.2<br>15.2<br>16.2<br>16.2<br>16.2<br>16.2<br>16.2<br>16.2<br>16.2<br>16 | 205+       | 23.                    |
| 30       |           |           |             | Batanl.          | :               | ë.g                    | £9+                        | E, #                  |                 | B.<br>1,102  | T          | n,<br>1,037            |
| 20       | GARDENS.  |           |             | , edayie8        | į               | i                      | ŧ                          | ŧ                     | ŧ               | 5 <u>9</u>   | + 26       | S 8                    |
|          | ,         |           |             |                  |                 | ್ಟಣೆ                   | +21                        | E. O                  |                 |  | 75+        | ω.α                    |
| 88       | l         |           |             | срэрг            |                 | ii s                   | +13                        | #\$                   | :               | 37.  | +37        | H.EZ                   |
| 27       |           |           |             | .bolatitus leloT | 15,804          | 16,208                 | +371                       | 16,915                | 2,01,573        | 2,00,411   | +4,811     | 2,03,823               |
|          |           | ·         |             |                  | :               |                        | !<br>                      | 1000                  | i               | :  | i          | 1000.                  |
| 83       |           | ,         | Perfod.     |                  | Last settlement | Sambat 1055 == 1809-09 | Dliferenco                 | Sambat 1050=1890-1200 | Last settlement | gambat 1055≖1603-90  | Dliferenca | Sambat 1050=1899-1803, |
| -        | -         |           | <del></del> | Defails.         |                 | <u></u>                | N. C.                      |                       |                 | 2712   |            | w)                     |

B-41

TAHSIL BHUSAWAR,

No. 2-Crop Statement.

|    |        |         |                      | 1                   | xii                   |                     |                     | •                   |                     |                     |                    |                             |                               |
|----|--------|---------|----------------------|---------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|-----------------------------|-------------------------------|
| 10 |        |         | Total of both erops. | 010,20              | 64,623                | 73,025              | 71,940              | 62,179              | 57,105              | 55,023              | 64,133             | 60,044                      |                               |
| BB |        |         | Total.               | 47,838              | 69,050                | 64,328              | 62,931              | 45,905              | 42,285              | 40,200              | 47,455             | 30,105<br>3,034             | 31,810                        |
| 12 |        |         | Others.              | 4,021               | 4,937                 | 9,390               | 14,180              | 118,8               | 7,275               | 8,202               | 8,407              | 6,172                       | 2,007                         |
| 25 |        |         | Ollaceds.            | 08                  | 293                   | 436                 | <b>\$</b> 33        | 53                  | 233                 | 7.5                 | 220                | 39                          | 196                           |
| 15 |        |         | Go]113*              | 17.1                | 8                     | :                   |                     | 22                  | 17                  | <u> </u>            | 77                 | 002                         | 621                           |
| 14 |        | Rant    | •tadooD              | :                   | -                     | :                   | :                   | :                   | 8                   | :                   | -                  | 81 14                       | ::                            |
| 13 |        |         | Bejar.               | 1,303               | 2,201                 | 1,341               | 1,019               | 414                 | 288                 | 1,263               | 1,208              | 175                         | . 182                         |
| 13 |        |         | ,men0                |                     |                       | 123                 | 22                  | £                   | "                   | 676                 | 156                | 89<br>30                    | 17                            |
| L1 | снані. |         | Barley.              | 25,410              | 23,730                | 21,793              | 20, 05              | 23,282              | 25,273              | 23,677              | 23,657             | 20,319                      | 21,830 .                      |
| 10 |        |         | Wheat.               | 16,173              | 17,733                | 18,247              | 18,844              | 12,010              | 8,833               | 8,313               | 13,830             | 8,461                       | 5,771                         |
| 0  |        |         | Total.               | 18,080              | 15,436                | 10,507              | 10,018              | 16,284              | 14,910              | 14,817              | 10,677             | 14,450                      | 19,565                        |
| 6  |        |         | октаф)О              | . 313               | 438                   | 373                 | 491                 | 0113                | 740                 | 1,600               | 770                | 1,500                       | 2,127                         |
| 7  |        |         | LiT                  | <u>:</u>            | :                     | :                   | :                   |                     | :                   | ន                   | ,                  | 330<br>10                   | 370<br>14                     |
| •  |        | Килягр. | Jitedo tanad         | :                   | :                     |                     | :                   | :                   | :                   | 4                   | 1                  | \$ r                        | 130                           |
| ю  |        | KE      | Maisa K.             | 1                   | :                     | :                   | E                   | :                   |                     | 25                  | 9                  | 432                         | £ 59                          |
| ~  |        |         | Jozot.               | ;                   | 1                     |                     | <u> </u>            | :                   |                     | 8                   | ដ                  | . 263                       | 1,228                         |
| *  |        |         | Balta.               | :                   | 1                     | ,                   | ] ;                 |                     | 1                   | 73                  | ٥                  | 661                         | 3,601                         |
|    |        |         | Cotton,              | 101,71              | 14,003                | 10,224              | 19,527              | 15,373              | 14,161              | 12,950              | 16,873             | 73,157                      | 11,680                        |
| 1  |        | •       | Delaile.             | Bambat 1918=1831-03 | f Bambat 1010=1892-03 | Cambat 1060=1803-01 | 68mbat 1051=1801-06 | Sambat 1957#1805-00 | 8ambat 1053=1806-07 | Sambat 1061-1807.09 | Average of 6 years | Eambat 1985=1809-09 {Khalsb | Sambat 1950=1600-1800 (Kbalsa |

No. 2-Crop Statement-contd. TAHSIL BHUSAWAR.

|                        |     |                |        |                      | .1                   | XIII                |                     |                     |                     |                       |                     |                   |                     |                                  |
|------------------------|-----|----------------|--------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-------------------|---------------------|----------------------------------|
| . ,                    | 32  | -              | * *    | Total of both crops. |                      |                     |                     | i                   | :                   | . :                   |                     | 1                 | 2,382               | 3,787                            |
| ٠,,                    | 98  |                |        | .1 <b>.</b> 30T      | 1                    |                     |                     | ı                   | :                   | :                     | :                   | 1                 | 2,284               | 3,410                            |
| : `                    | 38  | •              |        | Others.              | :                    | •                   | :                   | :                   | :                   |                       | :                   | ı                 | 181                 | 200                              |
| ••                     | 38  |                |        | Oijaeeda.            | :                    |                     | :                   | :                   | :                   | :                     | ·                   | i                 | 23                  | 30                               |
|                        | 83  |                |        | .extoĐ               |                      | :                   | :                   | :                   | :                   | :                     | :                   |                   | 27.5                | 236                              |
|                        | 33  |                | Rant,  | Jadoob               | :                    | :                   | :                   | :                   | i                   | :                     |                     | i                 | 88<br>:             | 09                               |
|                        | 31  |                |        | Bejàz.               | -                    | ÷                   | :                   | :                   | ï                   | :                     | i                   | į                 | <b>1</b> 9          | 70                               |
| ف                      | 30  | ABA.           |        | Grām.                | :                    | 1                   | i                   | i                   | ı                   | ī                     | :                   | ŧ                 | 69                  | <b>3</b>                         |
| -Crop Statement-contd. | 20  | CHAHI SAIRABA. |        | Barley.              | :                    | :                   | :                   | :                   | :                   | ŧ                     | ŧ                   | i                 | 317                 | 1,904                            |
| op Statem              | 23  |                |        | Wheat.               |                      | :                   | :                   |                     | i                   | ÷                     | 1                   | :                 | 720 .               | 677<br>011                       |
| No. 2-Cr               | 27  |                |        | Total.               |                      | :                   | :                   | i                   | :                   | •                     | :                   | ŧ                 | 14                  | 357<br>8                         |
|                        | 26  | ,              |        | oted 10              | :                    | 1                   | :                   | ÷                   | ŧ                   | :                     | :                   | ŧ                 | 10                  | 88                               |
| . ,                    | 38  |                |        | T.I.                 | :                    | :                   |                     | :                   | :                   | :                     | i                   | :                 | **                  | £ .                              |
|                        | 24  |                | Кпапр. | •irredo rewed        | :                    | :                   |                     | :                   | ŧ                   | . <b>:</b>            | :                   | :                 | gq                  | 14                               |
|                        | 23  | i<br>i<br>i    | Кп     | Nasina.              | :                    | :                   | , :                 | <b>.</b>            | :                   | :                     | ;                   | ;                 | i                   | 10                               |
|                        | 23  |                |        | .10War.              | :                    | :                   |                     | :                   | :                   | :                     | :                   | :                 | G 43                | 8                                |
|                        | r z |                |        | ,erife8              | 1                    | :                   | 1                   | i                   | 3                   | ÷                     | 1                   | ŧ                 | £ 7                 | 8 :                              |
| ٠                      | g   |                |        |                      | 1                    |                     | :                   | į                   | :                   | ı                     | :                   | :                 | <br>                | 50                               |
|                        | 1   |                | •      | Dotalis.             | Bambat 1019 m1601.03 | Sambat 1949=1802-03 | Sambat 1050=1803-04 | 8ambat 1051-1804-05 | 82mbat 1052æ1603.06 | 61mbat 1053 = 1806.07 | Sambat 1956=1697-98 | Averago of Gyeara | Skmbat 1035=1809.09 | Sambat 1035 = 1899-1800 { Khalsa |
|                        | 1   | i              |        |                      | 1 1                  | į                   | ,                   |                     | V. V-1-             | -                     | 1                   | ₹I                | <b>5</b>            | S S                              |

No. 2-Grop Statement-contd.

| ı                             | 88      | gg.    | 0,4      | \$        | £             | \$             | *         | 46      | 45     | 47       | 48    | 40     | 20               | 52      | 83        | 63      | •      | e                    |
|-------------------------------|---------|--------|----------|-----------|---------------|----------------|-----------|---------|--------|----------|-------|--------|------------------|---------|-----------|---------|--------|----------------------|
|                               |         |        |          |           |               |                |           |         | SAI    | SAIRABA. |       |        |                  |         |           |         |        |                      |
| :                             |         |        |          | H         | Килиг         |                |           |         |        |          |       |        | Badi.            |         |           |         |        |                      |
| Detaile,                      | Cotton. | Bajra. | ,10770г. | "caisal?" | Ganzt chattle | ЛТ             | . Others. | .Total. | Wheat. | Barley.  | •man) | Bejox. | • <b>j</b> uqoop | dojra,  | Ollseeds, | Others, | Total. | Total of both exops. |
| 6ambat 1919-1691-03           | :       | :      | :        | · :       | :             | ŧ              | :         | ;       | 999    | 623      | 1,967 | 1,479  | 171              | 213     | r         | တ       | 4,912  | 4,912                |
| Sambat 1940=1892-93           |         | :      | . :      | :         | :             | ;              | :         | :       | 373    | 338      | 1,275 | 1,236  | ;                | :       | 7         | :       | 3,229  | 9,220                |
| 8ambat 1950 = 1893.04         | :       | :      | i        | ı         | 1             | :              | :         | :       | 457    | 316      | 1,168 | 697    | :                | ;       | n         | 23      | 3,556  | 2,656                |
| Bambat 1031=1801-95           | i       | 1      | i i      | :         | 1             | :              | :         |         | 370    | 182      | 1,008 | 1,397  | :                | :       |           |         | 3,883  | 8,8c3                |
| 83mbat 1052=1896.06           | : ;     | 3      | ı        | i         | :             |                | :         | :       | 268    | 383      | 131   | 103    | :                |         | :         | 97      | 046    | 020                  |
| Sambat 1053=1606-97           | ŧ       | 1      | i        |           | :             | :              | :         | :       | 231    | 798      | 305   | 227    | 13               | :       | :         | 118     | 1,067  | 1,687                |
| 81mbat 1051=1597.08           | 7       | 419    | 316      | 25        | 35            |                | æ         | 498     | 214    | 4.40     | 2,633 | 1,963  |                  |         | 1         | 44      | 6,105  | 6,003                |
| Average of 6 years            | 1       | 7.0    | ន        | 4         | ပ             | :              | 1         | 135     | 318    | 807      | 1,220 | 018    | લ                | :       | 81        | 848     | 2,916  | 3,651                |
| Sambat 1085 = 1803-09 { Maß   | · I     | 236    | 191      | 163       | 126<br>38     | 2 28           | m 69      | 1,480   | 267    | 609      | 4,321 | 813    | 1,617<br>367     | 98<br>• | 73        | 91      | 7,045  | 9,491                |
| Sambat 1050=1599-1000 {Khalsa | 18      | 462    | 1.178    | 310       | 100           | 1 193<br>1 193 | 10        | 226     | 314    | 655<br>3 | 836   | 1,213  | 673<br>131       | 130     | 2000      | . E     | 3,831  | 6,085                |
|                               |         |        |          |           |               |                |           | •       |        |          |       |        |                  |         |           |         |        |                      |

No. 2.-- Crop Statement-contd.

| 73   | ,       | :        | Total of both erops. | 1,26,603            | 1,12,838            | 1,36,309            | 1,42,603            | 1,15,334            | 1,24,423              | 1,41,300            | 1,32,844           | 1,10,331                    | 1,11,833                     |
|------|---------|----------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|--------------------|-----------------------------|------------------------------|
| tr.  |         |          | Total,               | 20,223              | 15,010              | 12,093              | 30,105              | 4,812               | 193                   | 17,373              | 13,429             | 5,809                       | 1,010                        |
| 71 • |         | <b>y</b> | Ofbers.              | i                   | :                   | gg                  |                     | ÷                   | :                     | 99                  | 30                 | 1,050                       | 993                          |
| . 02 |         | •        | .ein: nosins         | 113                 | 14                  | 100                 | п                   | :                   | 30                    | 127                 | 83                 | 13                          |                              |
| 88   |         |          | .co)ra.              | 1                   | ı                   | ì                   | i                   | :                   | :                     | i                   | :                  | 1 1                         | : 1                          |
| 93   |         | Rans.    | Poebal.              | ı                   | i                   | :                   | ;                   | ÷                   | ÷                     | :                   |                    | I I                         | : :                          |
| 67   | •       | ,        | Belut.               | 333                 | 315                 | 11                  | 401                 | 74                  | ŧ                     | 99                  | 166                | #                           | 1 1                          |
| 99   |         |          | Gram.                | 19,770              | 15,590              | 11,941              | 20,603              | 4,739               | 163                   | 17,116              | 13,185             | 5,761<br>401                | # :                          |
| 39   | BARANI. |          | Barley.              | ;                   | 1                   | n                   | ŧ                   | i                   | i                     | G                   | es                 | 10                          | <b>10</b> 0 m                |
| 10   | ٠       |          | . ,                  | 1                   |                     | €                   | :                   | :                   | i                     | ŧ                   |                    | : :                         | : :                          |
| £    | -       |          | Total,               | 1,00,370            | 1,26,919            | 1,13,230            | .1,12,607           | 1,10,622            | 1,34,231              | 1,23,928            | 1,19,116           | 1,34,132                    | 1,40,622                     |
| 69   |         | ,        | Othera.              | 485                 | 489                 | 417                 | 477                 | 196                 | 250                   | 169                 | 400                | 560<br>38                   | 735                          |
| 16   |         | ,        | .ur                  | 1,210               | 2,143               | 2,419               | 2,172               | 3,819               | 1,611                 | 1,563               | 2,339              | 346                         | 5,183                        |
| 8    |         | Килвів.  | Oaver charri.        | 201,13              | 66,773              | 18,703              | -13,003             | 190,13              | 40,560                | 0,230               | 41,337             | 10,350                      | 13,127                       |
| . 69 |         | , M      | , national           | 4,003               | 5,905               | 3,811               | 1,583               | 2,219               | 1,000                 | 25,029              | 250,0              | 3,0,508                     | 3,300                        |
| . 23 | _       |          | Jonst                | 28,413              | 30,011              | 211'05              | 30,053              | 29,760              | 34, 193               | 27,345              | 34,008             | 3,138                       | 30,550                       |
| 25   |         |          | Bajta.               | 21,216              | 21,511              | 10,693              | 23,208              | 23,371              | 13,203                | 63,773              | 31,835             | 3,750                       | 49,359                       |
| 99   |         |          | Cotton               | 659'6               | 1,403               | 100'2               | 3,730               | 1,163               | 2,050                 | 1,357               | 2,223              | 050                         | 1,316                        |
| ī    |         |          | Details.             | Sambat 1049=1891-02 | Bambat 1813=1802-03 | Sambat 1950=1503-91 | 81mbat 1651=160f-05 | 8 mbat 1062=1895-98 | Sambat 1063 = 1801-07 | Bambat 1854#1807-08 | Average of O years | Sambat 1035#1903-00 (Rholea | Ekwbat 1960=1699-1900 {Khala |

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No. 4.-Statement of Sales and Mortgages.

|    |                 |            | ٠ ، [              |           |   |                                |                 |         |   |
|----|-----------------|------------|--------------------|-----------|---|--------------------------------|-----------------|---------|---|
| 18 | :               |            | Впилвк 6.          |           |   |                                |                 |         |   |
| 1  |                 |            | Res                |           | •   |                                |                 |         |   |
|    |                 |            |                    |           |   |                                |                 |         |   |
| 17 |                 |            | Rate per bigba.    | вз. А. Р. | 1 3 0   | 0 6 0                          | 15<br>00<br>61  | . , ,   |   |
| 16 |                 | Salbs.     | Price.             | Bs.       | 1,072   | 82                             | 3,148           | 2,000   |   |
| 15 |                 | ₽¥         | Uncultivated.      |           | 1,617   | 010                            | 020             | 2,847   |   |
| 14 | -1800.          |            | Cultivated.        | •         | 3,704   | 1,389                          | 1,237           | 4,330   |   |
| 13 | FROM 1630—18?0. | i          | .adgie 1997 bigda. | Вв. А. Р. | ਲ<br>ਵ  | 1 0 11                         | 0 77            | 4 1 0   | - |
| 13 |                 | Morralars. | yjotfüske monel.   | å         | 0,003   | 1,078                          | 2,023           | 9,702   |   |
| ı  |                 | Mora       | . Oneviltivated.   |           | 310   | 102                            | 89              | 480     | - |
| 01 |                 |            | Cultivated.        |           | 1,427   | <b>1</b> 99                    | 020             | 2,707   |   |
| G  |                 |            | ·adgld 10q sinR    | Rg. A. P. | 1 14 0  | 10<br>10                       | 8 0             | 1 10 0  | · |
| 8  |                 | SEEE       | Price.             | ig.       | 0,613   | 6,732                          | 4,010           | 20,255  |   |
| 1  |                 | 78         | Uncultivated.      |           | 5, 196  | 3,091                          | 1,978           | 11,455  |   |
| 0  | 55-1689.        |            | Cultivated.        |           | 4,063   | 4,203                          | 3,271           | 12,496  |   |
| 20 | FBOM 1855—1899. |            | Rafe per digba.    | Rs. A. P. | ა<br>გ  | . cs<br>- 41<br>- 60           | 5 0 11          | 0<br>19 | , |
| -  |                 | Monratars. | Nortgage moner.    | Rs.       | 10,138  | 050                            | 11,017          | 31,075  |   |
| 8  |                 | Mos        | Uncultiyated.      |           | 1,306   | 30                             | 1,339           | 2,048   |   |
| 69 |                 |            | Cultirated.        |           | 5,55<br>5,55<br>5,55<br>5,55<br>5,55<br>5,55<br>5,55<br>5,5 | 318                            | 2,057           | 6,637   |   |
|    |                 | 1          |                    |           | •   | i.                             | i               | :       |   |
|    |                 |            |                    |           | ;   | :                              | 7               | . :     |   |
| 1  |                 |            | Details.           |           | me village  | , ,                            | <b>;</b>        | . Total |   |
|    |                 |            |                    | ].<br>    | To Zamindars of the same villege                            | To Zamindres of other villeges | To noneylenders |         | , |

No. 5.--Statement of cultivation.

| 1      | <b>)</b> `   |                   |                | 1                                   |           |               | ١,            | ì  | 1            | !           | 1        | ī             |                | 1            | 1        | !                           |
|--------|--|-------------------|----------------|-------------------------------------|-----------|---------------|---------------|--|--------------|-------------|----------|---------------|----------------|--------------|----------|-----------------------------|
| 23     |  |                   | Runiums.       | ,                                   |           |               |               |  |              | •           |          |               | •              |              |          |                             |
| _      |  |                   |                | ,                                   | Κħ.       | ,<br>,        | H.            | ji,  |              | 'n.         |          |               | Kb.            | Kb.          | 뉡        | Kb.                         |
| 8      | RENT POR   |                   |                | .0C amulos ai aste aO               | Rs. A. P. | 84<br>74<br>0 | <b>3</b> 10 G | 13<br>12<br>0                              | 186          | 1 3 6       | 2 3 3    |               | 1 1 0          | 0 16 0       | 0 14 0   | 1 6 11                      |
| 23     | Аувался пант рпи<br>Вісил.                               |                   | ,              | On area in column 18.               | Rs. A. P. | 3 14 0        | 2 10 0        |  | 18           | 1 6 0       | :        | 1             | 1 3 6          | 100          | 1 1 0    | 113 7                       |
| g      |  | , n               | lw-18-2        | taeast yd blod sond lado'T l        | 1 27,588  | 2,073         | 1,347         | 304  |              | 830         | 405      |               | 233            | 77,478       | 6,520    | 1,12,594                    |
| a<br>a | -  |                   | ı;             | rgnbeca•                            |           | 5,621         | 2,700         | 809  | 7,116        | 986         | 1,036    | -             | 153            | 61,018       | 4,632    | 1,38,467 1                  |
| : 52   | 1  | ٠                 | By other rent. | \dag{\dag{\dag{\dag{\dag{\dag{\dag{ | 22,767    | 2,164         | 1,651         | 36.4                                       | 4,714        | - l         | 467      | $\frac{1}{1}$ | 143            | <u> </u>     | 5,383    | 96,658 1.<br>8,847          |
| -      | AREA HELD AND RENT PAID DY TRULNTS AL WILL.              | Слан вамг.        |                |                                     | 15,684    | 1,887         | 188           | <u>i</u><br>!                              |              | &  <br>     |          | <u> </u><br>  | 12 47          | <u> </u>     | 1,101    | 27,513 0<br>8,133           |
| - 12   | ENTNE  |                   | By dhal bachh. | Rapees.                             | 4,663     | 1,            | 209           | <u> </u>                                   | Ų <b>0</b> 9 | 92<br> <br> |          | 1             | <b>ā</b> 0     | <u> </u>     | 1,103    |                             |
| 138    | T ZE GII   |                   | By             | •E914                               |           |               |               | :  |              |             | :<br>    | <u> </u>      |                | <u> </u>     |          |                             |
| 16 17  | ENT PA   | Сляп ваяв.        |                | Rubees*                             | :         |               |               | :  | <br>:        | :           | :        |               | : :<br>: :     | <u> </u>     | :        | + :<br>                     |
| 25     | N Q N Y  | <u> </u>          | <u> </u>       | Total area under batal.             | 150       | 163           | 28            | <u> </u>                                   |              | :           | :        | +-            | £ :            | <u> </u>     | 35       | 200                         |
| =      | (BLD /   |                   | -              | Fixed.                              | <u>_</u>  | 2             | :             |  | :            | :           | <u>·</u> | $\dashv$      | <u>·</u><br>;; | ] <u>"</u>   | -        |                             |
| 13     | REAB   | Redy in Kind      |                | One-loarth.                         | 144       | 4             | <b>8</b>      | :  | :            |             |          | +             | <del>å</del> : | <del>!</del> | -        | 11 50                       |
| 21     | ~  | Rang              |                | .bitd1-920                          | 13        | 82            | :             | ;  | :            | ;           | :        |               | : :            | ន            | 8        | ठ ह                         |
| F      | -  |                   | -              | . Hall or more.                     | н         | 8             | :             | ;  | *            | :           | :        | 1             | : :            | 123          | -        | 8 8                         |
|        |  | ·                 |                |                                     | ~         |               |               | :  | ~~           |             | :        |               | ~~~            | 7            |          | , , , , , , , , , , , , , , |
|        |  |                   | Detalls.       |                                     |           |               |               | Safraba                                    | Sairaba      |             | Khatili  |               | Barlshi        | Barani       |          | Torit                       |
| a      | -ADDO Z  |                   |                | -lato'T                             | 530       | 8,200         | 5,988         |  | 67           | 8           | 2        | 333           | 326            | 873          | 4,531    | 6,316                       |
| 60     | Abba cultivated de occu-                                 |                   |                | At other cash rate.                 | 302       | 2,363         | 3,904         | :  |              | ;           | 0        | 100           | 140            | 311          | 2,413    | 4,053                       |
| _      | Апва согл  | Nolikous-         | trouti         | en to dive state transcold          | . 231     | 1,903         | 2,085         | -  | 00           | EX          | 8        | 213           | 111            | 292          | 2,110    | 2,263                       |
| . 0    | ENT OR   | waer's            |                | gnbeca*                             | :         | <u> </u>      | :             | :  |              | ÷           | 4        | -             | :              | 4            | 1 :      |                             |
|        | PRES OF L  | Less than owner's |                | ,£916.24                            | ₹1        | 13            |               |  |              | :           | 1        | -             | -              | 4            | 22       | =                           |
| -      | By trmints pres of dent of<br>al less than owner's rate. |                   | <u></u>        | -3a31 lo 8312                       | 488       | 200,0         | :             | 27   | 122          | :           | g        | £0.           | ,              | 260          | 0,189    |                             |
| e .    | E *  |                   |                | Sultivated by owners.               | 5,520     | 66,331        | 1,38,163      | 122  | 8            | 202         | 269      | 4,034         | 4,583          | 6,133        | 73,029   | 1,8,317                     |
|        |  |                   |                | Total califyated area.              | 17,717    | 1,60,363      | 3,07,299      | 81 .                                       | 1,969        | 2,687       | 1,03     | 16,367        | 19,165         | 10,510       | 2,07,011 | 3,26,330                    |
| -      |  |                   |                |                                     | <u>:</u>  | "             | =             | <u>                                   </u> | :            | i -         | ;        | !<br>         | <br>  I        | ī            | :        | 3                           |
|        |  |                   | ي              | ,                                   | Holdings  |               | ea<br>ea      | Holdlags                                   |              | 839         | Holdings |               | ę ę ę          | Roldings     |          |                             |
| -      |  |                   | Details.       |                                     | T Hole    | Area          | Rupres        | II.0I                                      | Area         | Rupecs      | Itol     | Area          | Rupees         | Hoh          | Area     | Rupees                      |
|        |  | •                 |                |                                     |           | ,             |               |  | 11 11 11     |             |          | :             | ļ              |              |          |                             |
|        |  |                   |                |                                     |           | Kultsh        |               | }  | Istana I     |             |          | MAN           |                | <u> </u>     | Tores    |                             |
| , .    |  |                   |                |                                     |           |               |               |  |              |             |          |               |                | B-4          | ับ       |                             |

Notz,-Kh-Khalsa, M.-Man,

No. 2 .- Crop Statement-coneld.

|          |                  |         | ,                    |                     | !                      |                      | ١.                  | 1 6                 | ۱ ،                 | 1                   | ۱                  | 1                       | 1                          |
|----------|------------------|---------|----------------------|---------------------|------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|--------------------|-------------------------|----------------------------|
| 29       |                  |         | Barani,              | 1,18,675            | 1,36,653               | 1,18,830             | 1,25,200            | 1,00,166            | 1,12,800            | 1,23,186            | 1,13,313           | 1,15,332                | 1,16,561                   |
| 99       | EA.              |         | • Fdrit2             | 4,012               | 3,220                  | 2,53.                | 3,803               | 976                 | 1,687               | 1,073               | 3,016              | 9,879                   | 7,691                      |
| 95       | CULTIVATED AREA. |         | Chahl Bairada.       | :                   | :                      | :                    |                     |                     | l i                 | :                   | :                  | 2,518                   | 3,706                      |
| 36       | CULTIV           |         | СрэрГ                | 63,339              | 61,673                 | 041,80               | 01,350              | 60,619              | 53,914              | 61,703              | 63,979             | 63,518                  | 61,066                     |
| 03       | i                |         | Total caltivated.    | 1,50,330            | 1,65,555               | 1,80,501             | 1,63,022            | 1,00,624            | 1,63,400            | 1,56,863            | 1,82,339           | 1,31,277                | 1,33,007                   |
| 88       |                  | !<br>   | Dolasli.             | 27.771              | 16,006                 | 18,452               | 182,01              | 12,086              | 16,070              | 22,401              | 18,730             | 350                     | 16,062                     |
| <br>#    |                  |         | Total of both crops. | 2,00,421            | 3,16,580               | 2,66,850             | 2,18,61.4           | 1,78,483            | 1,83,305            | 2,02,325            | 2,00,627           | 2,02,701                | 2,03,000                   |
| <br>06   |                  |         | .lsioT               | 72,971 2            | 68,231                 | 200,89               | 66,080              | 61,677              | 44,164              | 63,773              | 63,800             | 4,610                   | 46,601 . 2                 |
| <br>0s   |                  |         | Others.              | 4,627               | 4,337                  | 0,483                | 14,180              | 8,008               | 7,393               | 0,300               | 8,634              | 7,461                   | 4,212                      |
|          |                  |         | Sarson tara.         | 202                 | 1 118                  | 919                  | <u>!</u><br>្រនី    | <br>g               | 202                 | 203                 | 280                | 362                     | 302                        |
| - 48     |                  |         | Gojra.               | 385                 | 8                      | :                    | <u> </u><br>  :     | 23                  | 17                  | 13                  | 1 22               | 1,666                   | 70                         |
| 98       |                  |         | Goehni.              | 12                  | <u> </u>               | i                    | <u> </u>            | :                   | 16                  | :                   | 6                  | 358                     | 161                        |
| - 38     |                  | Вапт.   | Bejar.               | 3,176               | 3,816                  | 1,696                | 2,600               | 800                 | 812                 | 3,282               | 2,289              | 1,056 1                 | 370                        |
|          |                  | , î     | Gram.                | 21,713              | 16,865                 | 13,181               | 31,623              | 4,057               | 469                 | 20,321              | 14,561             | 9,259                   | 117                        |
| E8       | 71               |         | Barley.              | 25,944              | 14042                  | 25,163               | 20,717              | 23,611              | 20,059              | 24,120              | 23,661             | 21,909                  | 21,375                     |
| 82       | TOTAL            |         | 77 heat.             | 16,733              | 18,105                 | 18,761               | 17,226              | 13,265              | 9,129               | 8,520               | 14,148             | 9,665<br>765            | 6,362                      |
| 18<br>—— |                  |         | letal,               | 1,27,450            | 1,43,355               | 1,37,833             | 1,31,625            | 1,23,606            | 1,30,111            | 1,33,552            | 1,36,227           | 1,50,463                | 1,63,609                   |
| <br>GS   |                  |         | Others.              | 703                 | 930                    | 200                  | 699                 | 1,637               | 1,023               | 2,280               | 1,183              | 2,137                   | 2,063                      |
| 0.       |                  |         | .uT                  | 1,210               | 2,113                  | 2,410                | 2,172               | 3,818               | 1,6,1               | 1,539               | 2,303              | 4,417                   | 5,670                      |
| 78       |                  | BIT.    | Gavar charth.        | 51,167              | 55,773                 | 19,703               | 43,003              | 51,607              | 40,563              | 6,278               | 41,405             | 16,635                  | 13,531                     |
| 11       |                  | Кпавіг, | Nasizo.              | 4,002               | 6,905                  | 3,811                | 1,985               | 2,218               | 1,000               | 25,069              | 6,653              | 37,39 \$                | 3,471                      |
| 5.       |                  |         | .12TcL               | 29,013              | 39,631                 | 411,08               | 36,052              | 28,756              | 31,402              | 17,72               | 31,074             | 2,253                   | 33,061                     |
| 22       |                  |         | Balta.               | 21,213              | 21,611                 | 10,805               | 21,208              | 23,271              | 13,203              | 59,217              | 31,615             | 51,666<br>4,615         | 3,023                      |
| 12       |                  |         | .Eotton.             | 26,355              | 10,401                 | 21,818               | 21,257              | 16,655              | 11,71               | 14,341              | 18,696             | 12,226                  | 13,106                     |
|          |                  |         |                      | i                   | ] :<br> <br> <br> <br> | :                    | :                   | :                   | 2                   | • •                 | E                  | Khalsa<br>Xafi          | (Khalsa                    |
| 1        |                  |         | Details.             | 51mbst 1849=1681.02 | Fambat 1019=1562-63    | Sambat 10:00=1503-04 | Sambat 1031=1801-95 | S.mbat 1052=1595-96 | Sambat 1053=1690-07 | Sambat 1051=1807-99 | Average of 6 years | Sambat 1035=1503-93 { K | Sambat 13:0=1696.1900 {10. |

### lxvii

### TAHSIL BHUSAWAR.

No. 3 .- Statement of realisations and balances.

|     |                       |         | ,           |            |           |             | , suprong u | ttv ouvitage. | 0.         |             |             |
|-----|-----------------------|---------|-------------|------------|-----------|-------------|-------------|---------------|------------|-------------|-------------|
|     | 1                     |         | 2           | 3          | 4         | 5           | G           | 7             | 8          | 0           | 10          |
|     |                       |         |             |            | REMITTED  | OR REDUCED. | BAT         | ANCE.         | JAMA OF BE | SUMED ARBA. |             |
|     | Period.               |         |             |            |           |             |             |               |            |             | Reulers.    |
|     |                       |         | Total jama. | Realized.  | Remitted. | Reduced.    | Realizeda   | Still due.    | Realised.  | Balance.    |             |
|     |                       |         | Rs.         | Rs.        | Rs.       | Rs.         | Rs.         | Rs.           | Rs.        | Rs.         |             |
|     | Sambat 1912=1855-50   |         | 1,50,851    | 1,48,769   | <b></b>   |             | 9           | 2,01,399      | 55         |             |             |
| 4   | Sambat 1915=1959-59   | <b></b> | 2,01,237    | 2,00,256   | 644       | ***         | 1,413       | 2,07,491      | 219        | •••         |             |
|     | Sambat 1018=1861-62   |         | 1,80,615    | 1,60,645   | 6+3       |             | 2,035       | 2,00,992      | ***        |             | Bhusawar.   |
|     | Sambat 1020=1963-64   |         | 24,856      | 24,650     |           |             |             |               |            | 494         | Bullabgark. |
| ,   | Sambat 1928=1871-72   |         | 2,25,003    | 2,21,656   |           | ***         | 1,101       | 28,002        | 354        | 23          |             |
|     | Sambat 1939=1892-83   |         | 2,50,107    | 2,41,503   |           |             | 46,171      | 3,15,204      | 0,302      | 697         |             |
|     | Sambat 1047=1890-91   |         | 2,71,108    | 2,61,016   | ***       |             | 15,796      | 8,73,910      | 101        | 17          |             |
| ,   | Sambat 1919=1891-02   |         | 2,72,415    | 2,00,005   |           |             | 5,892       | 3,81,611      | 11C        | 175         |             |
| À   | Sambat 1949=1892-03   |         | 2,70,697    | 2,62,643   |           |             | 7,113       | 3,89,423      | 901        | 329         |             |
|     | Sambat 1950=1893-91   |         | 2,71,420    | 2,63,650   |           |             | 10,003      | 3,97,097      | 1,031      |             |             |
|     | Sambat 1051 =1894-95  |         | 2,71,069    | 2,06,351   |           |             | 7,151       | 3,85,721      | 1,124      | 135         |             |
|     | Sambat 1952=1895-9¢   |         | 2,69,911    | 2,19,239   | 631       |             | 3,620       | 4,09,075      | C10        | 407         | ,           |
|     | Sambat 1953=1896-97   |         | 2,69,253    | 1,09,541   | ***       |             | 5,742       | 4,78,290      | 697        | 362         | •           |
|     | Sambat 193 1=1697-93  |         | 2,60,260    | 2,50,193   |           |             | 20,415      | 4,60,106      | 1,103      |             |             |
| į · | Sambat 1055=1693.93   |         | 2,62,569    | - 2,49,383 |           |             | 14,319      | 4,59,217      | 1,137      | 103         |             |
|     | Sambat 1956≈1999-1900 |         | 7           |            |           |             | . •         |               |            |             |             |

No. 4.-Statement of Sales and Mortgages.

|      |                 |            |                 | 121       | 7111 ·                           | •                              |                 |               |
|------|-----------------|------------|-----------------|-----------|----------------------------------|--------------------------------|-----------------|---------------|
| 18   |                 |            | REMARKS.        |           |                                  |                                |                 |               |
| 11   |                 |            | Rate per bigda. | Bs. A. P. | ю<br>п                           | 0 0                            | 63<br>©         | 1 6 0         |
| 10   |                 | Вагия.     | Price.          | R8.       | 1,973                            | . 692                          | 3,148           | 5,900         |
| 31   |                 | 8,         | Uncultivated.   |           | 1,617                            | 010                            | 620             | 2,847         |
| 72   | 0-1500.         |            | Cultivated,     | •         | 3,703                            | 1,389                          | 1,237           | 4,330         |
| 13   | FROM 1890—1880, |            | Rato per digba. | Rs. A. P. | 4<br>4<br>8                      | 1 9 11                         | 3 14 0          | 4 1 6         |
| 13   |                 | Mortstars. | yoifEreninout.  | Ŕ         | 200'0                            | 1,978                          | 2,033           | 26,792        |
| ä    |                 | Мовт       | Dneultivated.   |           | 310                              | 103                            | 89              | 450           |
| 92   |                 |            | Cultivated.     |           | 1,427                            | 189                            | 67.0            | 2,707         |
| 0    |                 |            | Rate Por digha. | Rg. A. P. | 1 14 0                           | 1 6 6                          | 0 8             | 1 10 0        |
| 8    |                 | Sarns.     | Price.          | 139.      | 0,613                            | 5,732                          | 4,910           | 20,255        |
| -    |                 | ซึ่        | Uneultiyated.   |           | 5,196                            | 3,081                          | 1,678           | 11,456        |
| 9    | 55-1890,        |            | Cultivated.     |           | 4,963                            | 4,202                          | 3,271           | 12,496        |
| to . | FROM 1955-1599. |            | Rate yer bigba. | Rs. A. P. | 60<br>10                         | 5 t s                          | 5 0 11          | ර<br>13<br>19 |
| -,*  |                 | Monroldze. | Notego monet.   | Bs.       | 19,138                           | 920                            | 11,617          | 31,675        |
| ဗ    |                 | Moi        | Uncultiyated.   |           | 1,306                            | 99                             | 1,306           | 2,018         |
| es   |                 |            | Cultivated.     | -         | 3,553                            | 816                            | 2,037           | 6,037         |
|      |                 |            |                 |           | i                                |                                | ;               | :             |
|      |                 |            |                 |           | <b>:</b>                         | 1                              | •               |               |
|      |                 |            | Details.        |           | To Zamindars of the same village | To Zamindars of other villages | To monsylenders | Total         |

No. 5.—Statement of cultivation.

| 1   | ) `  |                         |                |                            | l . |           |            | 1        |               | )              | 1      | l        | ī            |                 | 1  | 1                              |                 | i          |
|-----|--|-------------------------|----------------|----------------------------|-----|-----------|------------|----------|---------------|----------------|--------|----------|--------------|-----------------|--|--------------------------------|-----------------|------------|
| 28  |  |                         | Rawine         |                            |     |           |            |          | !             |                | •      |          |              |                 |  |                                |                 |            |
|     |  |                         |                |                            |     | 17        | ri.        | ĸh.      | ਸ਼ਂ           | Ę.             | ji .   |          |              | K K             | 42   | 뉡                              | ig H            | ].         |
| 25  | BRKT PRH<br>HA.  |                         |                | .02 amulos ni aste nO      |     | 7         | 3 25 0     | 3 16 6   | 0<br>10<br>11 | 1 8 0          | 1 3 0  | 3 3 0    |              | 1 1 0           | 0 14 0                                       | 0 14 0                         | 1 6 11          |            |
| 23  | Аувалсь пакт рри<br>п <i>лопл</i> .                      |                         |                | On area in column 18.      | -ë  | e3        | 3 14 0     | 2 10 0   | :             | 1 15 9         | 0. 0 1 | 1        | ·            | 1 2 0           | 1 0 0  | 1 1 0                          | 1 13 7          |            |
| 8   |  | ·11                     | iv-36-7        | Total asea held by tenant  |     | 888'12    | 2,673      | 1,347    | 304           | 6,221          | 830    | 407      |              | 283<br>C        | 77,478                                       | 6,520                          | 1,12,635        |            |
| ä   |  |                         | rent.          | nubecs.                    |     | 66,344    | 5,021      | 2,760    | 809           | 7,116          | 685    | 1,036    | Ť            | 153             | 010.10                                       | 6,632                          | 1,38,467        |            |
| 20: | 111.   | N.                      | By other rent. | -£91Ā                      |     | 23,767    | 2,154      | 1,061    | 301           | 4,714          | 607    | 467      | 1            | a :             | 67,518                                       | 5,383                          | 60,658          |            |
| 92  | AREA HELD AND RENT PAID BY TENLNTS-AT-WILL               | CASZ BRYD.              | achh.          | *gapdn <sub>1</sub> I      |     | 16,634    | 1,887      | 768      |               | 990            | \$     | :        | -            | 44<br>12        | 10,024                                       | 101.1                          | 27,513<br>8,133 |            |
| 95  | TENT'S   |                         | By dhal bachh. | .cs.                       |     | 4,063     | 654        | 208      | :             | 209            | 56     | :        |              | á -             | 0,670  | 1,103                          | 15,449          |            |
| 12  | PAID I   | IRT.                    | !!<br>         | Robeca*                    |     | :         | :          | ī        | ,             | :              | ;      | <u>-</u> | <del>-</del> | ; ;             | <u>                                     </u> | :                              | : :             |            |
| 10  | nent   | "Сляп внят.             |                | A16a.                      |     | :         | :          | 1        | :             | :              | :      | <br>:    |              | : :             | :  | :                              | : :             |            |
| 25  | O AND  |                         |                | Total area under batal.    |     | 156       | 163        | 88       | :             | t              | i      | :        | Ī            | <del>\$</del> : | 288  | 8                              | 528             |            |
| 12  | пер  | ě                       |                | Fixod.                     |     | i         | \$         | :        | :             | i              | i l    | i        |              | i i             | ;  | -                              | : 27            |            |
| 13  | AREA   | Reuz in Lind            |                | .dizno!-auO                |     | 144       | ₹          | 88       | :             | :              | :      | :        |              | . 48            | 202  | -                              | 623             |            |
| 13  |  | RE E                    |                | One-third.                 |     | 77        | 89         | :        | :             | i              | :      | :        |              | : :             | ន  | 8                              | <b>3 E</b>      | 별          |
| =   |  |                         |                | .Half or more.             |     | -         | 1          | :        | :             |                | :      | i        | 1            | : :             | 129  |                                | 8,8             | MMad.      |
|     |  |                         | Detaille.      |                            |     | :         |            |          |               | <b>~</b> ;     |        | :<br>=   |              |                 | ]  | 1                              | ¥" "            | Kb-Kbaiss, |
|     | _  |                         | D Det          |                            |     | Chahl     |            | Chahl    | Sairaba       | Balraba        |        | Khatili  |              | Barishi         | Baran  |                                | TOTAL           | 11         |
| 0   | g.   |                         |                | .lefoT                     |     | 838       | 4,200      | 5,088    | -             | 8              | 69     | 5        | 323          | 326             | 673  | <b>4</b> ,631                  | 0,316           | Nozz       |
| 6   | COLTIVATED DY OCOU-<br>PANCY TREANTS.                    |                         |                | At other cash rate.        |     | 305       | 2,363      | 8,808    |               |                | ,      | 0        | 100          | 140             | 311  | 2,412                          | 4,653           |            |
| 2   | ARBA CUL   | Nolikana.               | thout.         | 'n 10 diin oist 8'19ano ik |     | ž.        | 1,003      | 2,085    | -             | 1 60           | E1     | 33       | 213          | 111             | 267  | 2,110                          | 3,563           |            |
| . 0 | newron<br>'s atth.                                       | owner's                 | <br> <br> <br> | Rabesa*                    |     | :         | 1          | :        | :             | :              | -:     | 4        |              | :               |  | :                              | 1               |            |
| 20  | By tenenty form of dent or<br>At Less than owner's bath. | Lees than owner's rate. |                |                            |     | **        | 13         | *        | :             | :              | :      |          | -4           | -               | *  | 20                             | 11              |            |
| -   | BY TRNAMT  |                         | L              | Free of rent.              |     | 289       | 5,005      | :        | 22            | 123            | :      | 85.      | 463          | ,               | 200  | 0,169                          | ;               |            |
| 6   |  | <u> </u>                |                | Califyated by corners.     |     | 029.0     | 69,331     | 1,38,158 | 2             | 88             | 209    | 202      | 4,034        | 4,593           | 6,133  | 73,028                         | 1,43,217        |            |
| , , |  |                         |                | Total enitivated srea.     |     | 17,717    | 1,50,309   | 3,07,299 | 138           | 1,069          | 2,687  | 1,633    | 10,36;       | 19,165          | 16,510                                       | 2,07,011                       | 3,20,350        |            |
| -   |  |                         |                |                            |     | :         | -7         | :        | :             | :              | i      |          | :            | :               | :  | i                              | -               |            |
|     |  |                         | Details.       |                            |     | riordings | Area       | Rupecs   | Holdings      | Area           | Rupecs | Holdings | Arca         | Rupees          | Holdinga                                     | Area                           | Rufiècs         |            |
| -   |  |                         | Det            | }                          | ,   |           | <u>_</u> - | _5       | =             | <del>   </del> | ا ٿا   |          | - <u> </u>   | ا ٿا            |  | - <b>₹</b><br>- <del>`</del> : | ן בֿיַ          |            |
|     |  |                         |                |                            |     |           | -          |          |               | ISTANTS.       |        |          |              | [               |  |                                |                 |            |
|     |  |                         |                | l                          |     |           | Kulla      |          | i             | Įst,           |        |          | MAPE         | 1               | B-4  | ្រ<br>វិទ្ធិ                   | 1               |            |
|     |  |                         |                |                            |     |           |            |          |               |                |        |          |              |                 | 1  |                                |                 |            |

No. 6 .- Statement of rent by class of soil.

|                   | <del></del>                   | 1                                     |              |       | 2      | 3           | à               | 5                        | 1 0         | 7               | . 8      |
|-------------------|-------------------------------|---------------------------------------|--------------|-------|--------|-------------|-----------------|--------------------------|-------------|-----------------|----------|
|                   |                               | · · · · · · · · · · · · · · · · · · · |              |       |        | CARR ENKYS. |                 |                          | Owner's     | SHARE OF        |          |
| <b>Organizaci</b> | a parama ganggan gagi         | Dotalis.                              | -            |       | Area,  | Dent.       | Rate per bigha. | Menial's share of crops. | Sharo,      | Area.           | Hemarks. |
|                   | Canadae 10                    | (                                     |              |       |        | Rs.         | Bs, A. P.       |                          |             |                 |          |
|                   |                               | Permanent prese                       | nt           | • • • | 22,300 | 6\$,401     | 2 14 9          |                          | {           | 14              |          |
|                   | Силп                          | Temporary prese                       | nt           |       | . 454  | 627         | 208             | ***                      | 4-1         |                 |          |
|                   |                               | Former                                | s++          | •••   | 0,442  | 12,123      | 114 0           | **1                      | *           | 5<br>9<br>27    |          |
|                   | телла.                        | Present                               | ***          |       | 1,061  | 2,806       | 2 10 0          | in                       | ŧ           | 28              |          |
| KHALSA.           | CEART BATTADA.                | Former ,                              | ***          |       | 2      | 3           | 180             | ***                      | ***         | ,,,             |          |
|                   | Kbatili                       | *** ***                               |              |       | 467    | 1,036       | 2 3 6           | 667                      | 411         | ***             |          |
|                   | ,                             | Present                               | 151          |       | 4,714  | 7,116       | 109             | ***                      | ż           | 7               |          |
|                   | Bainana,                      | Former                                | ***          |       | 266    | 300         | 170             | ***                      | 3           | 10              |          |
| •                 |                               | (Barishl                              |              |       | 143    | .163        | 110             | ***                      | à           | 49              |          |
|                   | Вапляс                        | Brauf                                 | <b>0 h</b> 0 |       | £0,063 | 430,664     | 013 0           | 211                      |             | 53<br>26<br>153 |          |
|                   |                               | Bhur                                  | ***          |       | 10,743 | 6,450       | 082             | 910                      | ***         | •               |          |
|                   | the summers of the statements | Total                                 | Ped          |       | 66,659 | 1,59,457    | 100             | ***                      | }<br>{<br>} | 65<br>87<br>420 |          |

### lxxi TAHSIL BHUSAWAR.

No. 6-A.—Statement of rent by class of soil—contd

| N   | o. 6-A.— | Statement o | f rent by                  | class of so    | il—cor | atd -  |       |                 |
|---|----------|-------------|----------------------------|----------------|--------|--------|-------|-----------------|
|   | 2        | 8           | 4                          | 5              | G      | 1      |       | в               |
| 1   |          | CASH RENTS. |                            |                | cw0    | CROPS. | 07    | •               |
| Details.  | Area.    | Rent.       | Rate per biglia.           | Meninl's dues. | Rhate  | 100    | Arca. | Вэнавкя.        |
| Chahi Salraba present  Present  Former  Rarishi  Barani  Bhur |          | 30          | 50 1 6<br>646 112<br>509 2 | 6              |        |        |       | 16 1 1 CO 78 42 |

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### TAHSIL BHUSAWAR.

No. 7 .- Statement of ownership by tribes and tenures.

| 1                             | No. 7.—Statem   | ent of       | ownershij  | o by tr                         | ibes ar                | id tenures        | <b>5.</b>              |                             |                    |          |
|-------------------------------|-----------------|--------------|------------|---------------------------------|------------------------|-------------------|------------------------|-----------------------------|--------------------|----------|
| •                             | 2               | 3            | 4          | Б                               | 0                      | 7                 | В                      | D                           | 10                 |          |
|                               |                 | NUMBER       | OF OWERES. |                                 |                        |                   |                        | 1                           |                    | - 11     |
| Tenures.                      | Leading tribes, | Present,     | Absentees, | Number of proprietary holdings, | Total area.            | Cultivated.       | Jama in the past year. | Number of tensucy holdings, | Number of tenants, | Ebnares. |
| ^ Zamindari puro 1            | 1               | 2,960<br>209 | Rs. 770    | P49 1                           | Rs.                    |                   | Rs,                    | Rg.                         |                    | Thales.  |
| Zamladari joint 20 Bro        |                 | 879<br>890   |            |                                 | 96,761<br>D,839        |                   | 235                    | 030 O                       |                    | alea.    |
| Patildari perfect 7 Guja      |                 | 145          | 286 6      |                                 | 055 3                  | 2,605 d2,0        | 03                     |                             | Khali<br>Mag.      |          |
| Pattidari imperfect 103 Mina  |                 | 42           | 65 253     | 24,84                           |                        | 24,535            | ;<br>;<br>;<br>;       |                             | Khalsa.            |          |
| Bhsyachara perfect I State pr | operty          | ***          | 78         | 10,016                          | 3,02                   | 7 8,550           |                        |                             | Khalsa.            | A        |
| Bhajachara imperfect t Other  | { 1,373         | . 12         | 193        | 60,509<br>6,233                 | \$1,128<br>\$,313      | 42,733            | ***                    |                             | Chalsa.            |          |
| State property 4 To           | ta1 { 6,629     | 1,600        |            |                                 | ,01,277<br>,<br>16,367 | 2,71,123<br>7,541 |                        |                             | ralea.             | ,        |

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TAUSIL BHUSAWAR.
No. 8,—Statement of Gattle, earts and population.

| 23                         |          |             |                 | Вридете.         | -                            |                    |
|----------------------------|----------|-------------|-----------------|------------------|------------------------------|--------------------|
| -                          | - -      |             |                 | · LatoT bairid   | . 02,137                     | . 69,703           |
| -                          | 2        | ,           |                 | И дошел.         | 27,043                       | 302,28             |
| -                          | er l     |             | Total.          | Дер              | 34,193                       | 87,408             |
| -                          | <b>B</b> | POPULATION. | rons.           | Women,           | 11,334                       | 4,018              |
| -                          | #        | POPUI       | Non-ourieltons. | 7760°            | 13,609                       | 4.650              |
| -                          | -<br>e   |             |                 | Momen.           | 10,009                       | 28,102             |
| -                          | - F      |             | Colity ators.   | уел•             | 20,036                       | 33,043             |
|                            |          |             |                 | Corts.           | 3                            | 600                |
| ,                          | 13       |             |                 | TotoT            | 162°07                       | 75,523             |
|                            |          |             |                 | Comete.          | 31                           | 137                |
| No. 8 Statement of current | 13       |             |                 | Nales.           | :                            | :                  |
|                            | =        | -           |                 | Donkeys.         | . 016                        | 257,1              |
| amaanaq                    | 10       | -\-         |                 | -ESSIOII         | 441                          |                    |
| , o, o,                    | -        | -           |                 | epseb ang Roatse | 10,203                       | 18,920             |
| ે 1                        | -        | _           |                 | He-pullajocz•    | 800                          | 570,6              |
|                            | -        | -           |                 | She-bullaloes.   | 0,330                        | 14,223             |
|                            | -        |             |                 |                  | 20,023                       | 24,010             |
|                            | -        | 4           |                 | *u)x(u**         | opa's                        | 14,736             |
|                            | 1        | 60          |                 | -sdgrof          | 4                            | 5,873              |
|                            |          |             |                 | °sosno)          | 13,473                       | 15,759             |
|                            |          | 1           |                 | Details.         | Last estilement, Cambut 2017 | Present settlement |
|                            |          |             |                 |                  | Last a                       | В-47               |

No. 9.—Statement of Wells, &c.

|        | 23       |                |                    |                  | Вамленс,            | ,                      |             |        |   |                |             |
|--------|----------|----------------|--------------------|------------------|---------------------|------------------------|-------------|--------|---|----------------|-------------|
|        | 23       | DHENKLIS       | TNG.               |                  |                     | Temporary.             |             | 83     |   | H              |             |
|        | ដ        | DHEN           |                    |                  |                     | Permanent.             |             | 920    |   |                |             |
|        | 26       |                |                    |                  | action,             | ritedoo tobaV          |             | 10     | <del></del>                             | es es          |             |
|        | 22       |                |                    |                  | •3 <del>u</del>     | idrow to tho           |             | 400    | <del></del>                             | 50             |             |
|        | 13       |                |                    |                  |                     | gaistow toN            |             | 423    | <del></del> -                           | 09             |             |
|        | 2        |                | BAT.               | king,            | Laos.               | Working.               |             | 2,743  |   | 200            |             |
| :      | 2        |                | Равзийт витгрийнт. | Not working.     | ) (                 | nidrow toN             |             | 768    |   | æ              | <del></del> |
| =      |          | Wells.         | Press              |                  | Welia,              | Working.               |             | 1,015  |   | 111            |             |
| 2      |          | MASONRY WELLS. |                    | tect od          | t reilia inni<br>du | elisw well<br>emelites |             | 90     |   | я              |             |
| £      |          |                |                    | -5[]tea          | tecl out totle      | : BuldroV/<br>Jusm     |             | E      |   |                | · .         |
| 13     | _        |                |                    | 12581            | tedars at           | Said to W              |             | 1,606  |   | 0<br>83<br>84  |             |
| =      | _        |                | 1017.              |                  | .gaid10             | or lo lao              |             | 02.5   |   | 83             |             |
| ្ឋ<br> |          |                | Satteburkt, 1917.  | Working.         |                     | Laos.                  |             | 2,861  |   | 7 7            |             |
|        |          | _ _            | ·8                 | #<br>#           |                     | Wells.                 |             | 2,130  |   | 235            |             |
| cc     |          |                | EMBHT,             |                  | ·Liv                | Tempor                 |             | 84.4   | - · · · · · · · · · · · · · · · · · · · | 4              |             |
| -      | BILLY.   |                | Раквит вигремянт.  | Permanent.       | *1                  | Present                |             | 4,866  |   | 800            |             |
| -      |          | _              | Par                | Po)              |                     | Kotme.                 | <del></del> | 1,840  |   | 203            |             |
| 2      |          | 1              |                    | <del></del>      | danent.             | S tan I                |             | 7,371  |   | 828            |             |
| -      | ی        |                | FREE BERNE.        |                  | *10                 | D10801                 | <del></del> | 43,670 |   | 6,998<br>6,998 |             |
|        | MABONRY. |                | M 10               | #<br>            |                     | шю                     |             | 14,160 |   | 1,422          | -           |
|        |          |                |                    | Lust Bettlement. |                     |                        |             | 71,373 |   | 601,0          |             |
|        |          |                | ,                  | ·                |                     |                        |             | :      |   | : .            |             |
|        |          |                |                    |                  |                     |                        |             | Khalsa | •                                       | Mad            |             |

No. 9-A .-- Statement by quality of water.

|          |                |           |           |                  |            | . No. | No. 9-4.—Statement by quality of water. | ement by q     | natify of a  | · tamo      |         |           |                                       |               | -           | -      | -         |     |
|----------|----------------|-----------|-----------|------------------|------------|-------|---|----------------|--------------|-------------|---------|-----------|---------------------------------------|---------------|-------------|--------|-----------|-----|
|          | •              |           |           |                  |            |       | -                                       | -              | -            | -           | 22      | 13        | 35                                    | 15            | 16          | 12     | 9         |     |
|          |                | 60        | -         | 10               | •          | 2     | 60                                      | 6              | 01           |             |         |           |                                       | TOTAL AREA.   | 3 <b>v.</b> | ,      |           |     |
|          |                |           | N         | MASONBY.         |            |       |   |                | M            | KRAM        |         | 1         | -                                     |               | -           |        |           |     |
|          |                |           |           |                  |            | увау. |   | Watte,         |              | 4           | Anna.   |           |                                       |               |             |        |           |     |
|          |                | While     | <b>:</b>  |                  |            | -     | 1                                       | -              |              | Permaneat.  |         |           |                                       |               |             |        | Unkinks.  |     |
| Detalls. |                | Trello.   | Laos.     |                  | Permanent, |       | ,                                       |                | 1            |             |         | •         | · · · · · · · · · · · · · · · · · · · |               |             | -      |           |     |
| ,        | ·9¤            | •2u[#102  | •Sai:     | •8alź10 <i>m</i> | •\$¤9s     | rmer. | •Etrioqui                               | .Zuiž10f       | Not working. | Present     | Former. | ·TungmoT' | Former.                               | Present       | -Temporary. | Total  |           |     |
|          | 1410W          | 7 10%     | 11077     | · ·              | 974        | Fo.   | ET .                                    |                | 86           | 1,744       | 4,405   | 881<br>8  | 13,457                                | 86,075        | 07<br>70    | 5,076  | Kb.<br>M. |     |
| Errent   |                | 1,411 220 | 1,050     | 814<br>42        | 1,223      | 3,217 | 8                                       | 10             | <b>ω</b>     | - ·  <br>62 | 900     |           |                                       | - <del></del> |             | 9133   | Kb.       |     |
|          |                | 102 23    | <u> </u>  | 16               | 102        | 2,120 | 88                                      | ю<br><b>:</b>  | ::           | •           | 63      | £ :       | 99                                    | 117           | :           |        | M.        | ' . |
| ony      | <del>ا</del> ا | e         | -         | 8                |            |       |   |                |              | 5           | 2       |           | 020                                   | 9,500         | 63<br>64    | 4,281  | Kh        |     |
| Hard     | - 57           | 129 8     | 325       | <b>~</b> #       | 930        | 3,516 | ដ្                                      | :              | : :          | :           | i       | :         | 72                                    | 233           | =           | S      |           | ı   |
| Ì        | -              |           |           | "                | 818        | 1,705 | 1                                       | <b>б</b>       | : :          | ::          | :       | ::        | 30                                    | 1,711         |             | 121    | Kb.       | 1   |
| Beackleb | <u>ښ</u>       | 0         | e         | :                |            |       |   | 1              | ,            | 9           | 233     | 12        | 177                                   | 6,260         | <b>10</b>   | 6,005  | Rh.       |     |
|          | <u>~</u>       | E. C.     | 317 317   | 2 20             | 0 713      | 6,029 | :                                       | 18             | ;            | :           | E       | ÷         | 30                                    | 237           | =           |        | •10       | 1   |
| i        |                | 2         |           |                  | -          |       |   | 1              | 64           | 1,840       | 4,850   | 210       | 10,020                                | 40,820        | 977         | 00,030 | Ki.       |     |
|          |                |           | 203 2,743 |                  | 15,160     | 3,850 | 833                                     | 96             | 6            | 203         | 900     | 60        | 1,716                                 | £07,8         |             |        |           | 1   |
| Total    | <del>~-</del>  | 212       | 81 203    | _                | _          | _     | _                                       | NorsKh Khalea. | M. = Moff.   |             |         |           |                                       |               |             |        |           |     |

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APPENDIX A.

Rainfall.

APPENDIX A.

.. Rainfall of Tahsils Rupbas, Oochain and Biyana,

|                |            |                 |              |               |          |          |          |          | Í        |          |          |          |          |          |          |        |            |            |
|----------------|------------|-----------------|--------------|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|------------|------------|
| Name of month. | . Tahsils. | . 188           | 1886-87.     | 1887-88.      | 1888-89. | 1889-90. | 1890-91. | 1891.92. | 1892-93. | 1893-94. | 1894.95. | 1895-96. | 1896-97. | 1897-98. | 1898-99. | Total. | Average.   | 1899-1900. |
|                | Rupbas     |                 | <del> </del> | :             | .70      | :        | oī.      | :        | :        | :        |          | .12      | :        | :        | :        | .92    | 20.        | •05        |
| -~<br>:        | Ovehain    | :               |              | :             | :        | :        | :        | :        | :        | :        | :        | ঝ        | :        | :        | :        | .50    | .03        | 04.        |
|                | Biyana     | •               | :            | :             | :        | .50      | :        | :        | :        | :        | *        | .03      | :        | :        | :        | .23    | <b>20.</b> | .53        |
|                | Ruphas     | <br>  :         | 1.0          | <u>.</u><br>! | :        | :        | :        | 99       | 1.65     | :        | :        | ÷        | :        | .23      | .29      | 3.47   |            | .52        |
|                | Ocohain    | :               | Ö            | :             | ;        | :        | :        | , :      | 1.70     | 1.75     | .72      | :21      | :        | .11      | 16       | 4.69   | .36        | 1.82       |
|                |            | :               | 70.          | :             | :        | 30       | :        | .50      | Oř.      | :        | .43      | 0        | .10      | :        | ₹\$.     | 2:12   | .16        | 14.        |
|                | Rupbas     | <br>  ;         | 2:27         | 80.           | ţ0       | 03.      | 09.9     | 60.      | •56      | \$9.     | 6.36     | 1.80     | 2:19     | 1.63     | 97.      | 21.77  | 19.1       | 15.39      |
| -~-<br>:       | Oochain    | :               | 3.00         | :             | 1.70     | 1.10     | 00.9     | :        | 1.06     | 1.08     | 3.18     | .55      | 3.00     | 2.16     | 4.76     | 27.19  | 2.00       | 13.23      |
|                | Biyana     |                 | 2:30         | :             | 7.0.     | 1.30     | 10.30    | :        | 90.      | 1.66     | 4.27     | 4.71     | 2.20     | 3.10     | 3.20     | 35.14  | 2.70       | 15.32      |
|                | Rupbas     | <u> </u><br>  : | 15.0         | 1.69          | 06-6     | 7-10     | 9:30     | 2.87     | 6.78     | 69.      | 4.20     | 7.83     | 4.80     | 89.8     | 11:14    | 88-93  | 6.84       | 8.65       |
|                | Oochain    | :               | 0.6          | 13.8          | 7.65     | 3.30     | 4.70     | •73      | 6.11     | 11.05    | 4.34     | 3.78     | 3.33     | 06.6     | 12.10    | 91.28  | 20-4       | 7.69       |
|                | Biyana     | :               | 11.10        | 16.00         | 11.40    | 6.95     | 6.25     | 2.70     | 7.74     | 18-35    | 90.9     | 7.83     | 4.40     | 8:30     | 13.28    | 120.96 | 9.31       | 8.28       |
|                | Rupbas     | :               | 6.30         | 12.90         | 11.10    | 15-70    | 0:30     | 11.56    | 7-43     | 6.40     | 14.96    | 4.62     | 2.28     | 6.62     | 5.94     | 110.61 | 8:51       | .29        |
| :              | Oochain    | :               | 5.3          | 13.40         | 2.80     | 14.70    | 7.10     | . 16.81  | 2.03     | 7·6·7    | 12.79    | 6.18     | 3.01     | 7.55     | 7.23     | 109-90 | 8.45       | •48        |
|                | Biyana     | :               | 3.60         | 7.40          | 10.50    | 22.90    | 3.75     | 19.10    | 12.24    | 2:39     | 21.88    | 4.65     | 1.00     | 00.6     | 24.9     | 124.88 | 9.61       | .14        |
|                | Rupbas     | •               | :            | 2.50          | 6.90     | *        | 3.40     | 15-92    | 7.80     | 4.59     | 2:70     | 1.08     | 13       | 6.45     | 79.      | 51.74  | 3.98       | .64        |
| Soptember 4    |            | :               | .30          | 3.08          | 3.50     | :        | 2.30     | 13.99    | 2.46     | 1.90     | 3.39     | 1.30     | 1.50     | 3.08     | 1.42     | 44.70  | 3.44       | •18        |
|                | Biyana     | , <del>-</del>  | :            | 2.08          | 3.40     | :        | 1.60     | 15.80    | 8.81     | 3.35     | 4.71     | 1.12     | :        | 2.20     | 09.      | 46.97  | 3.61       | :          |
| A              | -          | .,              | -            | ,             |          | *        | •        |          | -        | •        | -        | • .      | -        | -        | -        | -      |            |            |

| *                |         |                 |                         |              |       |             |                | ,     |         |            |       |       |       |       |  |          |       |            |
|------------------|---------|-----------------|-------------------------|--------------|-------|-------------|----------------|-------|---------|------------|-------|-------|-------|-------|--|----------|-------|------------|
| _                | Ruppas  | -:              | 24.17                   | 17.07        | 27.61 | ₩3.30       | 722.60         | 30.68 | 23.22   | 11.26      | 27.22 | 15.94 | 95.6  | 23.61 | 18.30  | - 277-44 | 21.34 | 25.44      |
| Total 6 4        |         |                 | 18.54                   | 30.56        | 20.02 | 19-70       | 20.70          | 20.23 | 21.42   | 20-72      | 24.42 | 11.22 | 9.83  | 24.30 | 25.67  | 277,96   | 21.38 | 24.00      |
| <del></del><br>: |         |                 | 17.64                   | 28.48        | 25.04 | 32.25       | 21:90          | 38-10 | 29.75   | 25.75      | 37.34 | 18.36 | 8.00  | 23.41 | 24.28  | 330.30   | 25.41 | 24.44      |
|                  | Rupbas  | :               | 06.                     | :            | 07.   | 08.         | :              | 1.00  | ;       | .40        | :     | :     | :     | •03   | :  | 2:93     | . 23  | :          |
| October          |         |                 | 09.                     | :            | :     | · :         | :              | 1.10  | :       | 08.        | :     | :     | :     | •58   | :  | 2.58     | .30   | :          |
|                  | Biyana  | •               | 0.40                    | :            | 0.00  |             | ;              | :     | :       | •          | :     | :     | :     | :     | :  | 1.00     | 80.   | :          |
|                  | Rupbas  | :               |                         |              | .50   | :           | :              | 1     | :       | 14.        | :     | :     | 7£.   | :     | :  | .95      | 40.   | :          |
| November 3       | Oochain |                 | :                       | :            | :     | :           | :              | :     | :       | .20        | :     | :     | •43   | :     | :  | .03      | 40.   | ÷          |
|                  | Diyana  |                 | :                       | :            | 09.   | ŧ           | :              | :     | :       | <b>79.</b> | :     | ;     | •10   | :     | :  | 1.24     | •10   | :          |
|                  | Rnpbas  | <br>            | :                       | :            | :     | :           | 03.            | :     | 08•     | :          | 1.22  | .13   | .30   | :     | .39  | 3.04     | .23   | :          |
| December 3       | Oochsin |                 | :                       | :            | :     | :           | :              | :     | 98.     | 64.        | 2.00  | .11   | .46   | :     | :  | 4.22     | çç    | :          |
|                  | Birana  |                 | •                       | :            | :     | :           | :              | :     | .05     | :          | 1.24  | :     | .50   | :     | 60,  | 1.58     | .12   | :          |
|                  | Rupbas  |                 | <br> <br>  :            | 000.         | 1:40  | .50         | :              | 03.   | ť       | 139        | 1-32  | 2-10  | :     | 99    | <u>.                                    </u> | 7.54     | 83.   | 90.        |
| January          | Oochain |                 | :                       | 05.          | 68.   | .30         | :              | 05.   | 08.     | 1.47       | 1-13  | •33   | .18   | :     | :  | 4 91     | •38   | 14         |
| ==               | Biyana  |                 | .20                     | 1.05         | 07.   | :           | :              | 01-   | •10     | 2.00       | 1.02  | :     | .01   | :     | :  | 6-48     | . 45  | •          |
|                  | Ruppas  | <u> </u><br>  : | :                       | :            | .80   | 1.10        | :              | :     | :       | -25        | :     | .99   | 63    | :     | :  | 2.96     | -23   | :          |
| February         | Oochain | ·:              | :                       | :            | •10   | 99.         | :              | :     | :       | .83        | :     | 07.   | :     | :     | :  | 1.92     | .15   | :          |
|                  | Biyana  | :               | <u>.</u>                | -30          | 02.   |             | :              | :     | •       | :          | 2·10  | :     | :     | 2 87  | :  | 26.9     | 95.   | :          |
| J                | Ruphas  | <br>  :         | :                       | <br> <br>  : | . 'ē0 | :           | .50            | 1.00  | :       | \$51       | :     | •16   | :     | :     | · :  | 80.2     | .16   | :          |
| March            | Oochain | :               | 10.                     | :            | :     | <del></del> | :              | 1-40  | :       | .15        | .21   | -45   | .13   | :     | :  | 2.37     | .18   | <b>:</b> · |
| ·                | Biyana  | <u> </u>        | - <u>-</u> -<br> <br> : | :            | :     | .50         | 2.50           |       | :       |            | 1.20  | :     |       | :     | :  | 3:00     | .30   | :          |
|                  | Rupbas  | :               | .30                     | .50          | 3:30  | 2:10        | Q <del>,</del> | 2.50  | 1.53    | 1.83       | 2.54  | 2.89  | 68.   | 86    | 66.  | 19.90    | 1.50  | 90.        |
| Total 6          | Oochain | :               | 19.                     | 0;           | 06.   | 06.         | :              | 2.70  | 1.16    | 4.03       | 3.31  | 1.29  | 1.19  | .68   | :  | 16.93    | 1.30  | .14        |
|                  | Hiyana  | :               | 06.                     | 1.35         | 3:30  | -30         | 2.50           | 07-   | 115     | 2.54       | 2.56  | :     | .31   | 2.87  | 60.  | 19.17    | 1.48  | :          |
|                  | Ruphas  | :               | 27.42                   | 17.57        | 30-91 | 25.40       | 26.00          | 33.18 | 2.4.75  | 13.03      | 29.76 | 18.83 | 10.35 | 23.04 | 18.69  | T0.962   | 22.84 | 25.50      |
| Total year 4     | Oochain | :               | 19.18                   | 30.46        | 21.65 | 20.60       | 20.70          | 33-23 | . 22-58 | 24.75      | 27.76 | 12.21 | 11.03 | 24.88 | 25.67  | 68.767   | 32.68 | 24:14      |
|                  | Biyana  |                 | 18.51                   | 29.83        | 27:34 | 32.45       | 24.40          | 38.20 | 29-90   | 28-29      | 42.90 | 18.36 | 8:31  | 10.40 | 24.37  | 349.47   | 26 89 | 24.44      |

# APPENDIX A-conid. Rainfall of Tahiil Bhusawar.

| •  |                  |                  | lxxx             |                  |                  |                  |                        |                  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------------|------------------|
| 1899-1900.   | <b>50</b> .      | 1.37             | 6.84<br>9.18     | 7.58<br>8.75     | .75              | : :              | 16·56<br>18·76         | <b>:</b> :       |
| Average.   | 0.08             | .18              | 2.06             | 8.69             | 9.46             | 3.77             | 24.27                  | •16              |
| Total of 13<br>years.  | 1.05             | 3.49             | 26.77            | 113.03           | 123.01           | 48:93            | 315·50<br>324·52       | 2.01             |
| 1898-99  | į :              | .32              | 29.34            | 8:14             | 20.72            | .11              | 31.55                  | : :              |
|  | : :              | .16              | 1.85             | 10.06            | 4.28             | 2.73             | 19.08                  | .04              |
| [891-92, 1892-93, 1895-94, 1894-95, 1895-96, 1896-97, 1897-98. | <b></b>          | 62.              | 4.06             | 5°36<br>5°87     | 3-93             | •76              | 1443                   | : :              |
| 1895-96.   | .24              | 60.              | 1.63<br>3·13     | 4.61             | 4·71<br>5·13     | .65              | 11.83                  | : :              |
| 1894-95.   | : :              | : :              | 2·33             | 7.42             | 20.19            | 3.76             | 33.70                  |                  |
| 7892-94  | : :              | .46              | 1.98             | 11.78            | 2.68<br>3.08     | 2.58             | 19·48                  | : :              |
| 1892-93.   | : :              |                  | .20<br>.20       | 5.48             | 11-45            | 6-87             | 24.82                  | ·46              |
|  | : :              | 09.              |                  | 5.63             | 9.30             | 21.11            | 36°74<br>32°48         | <b>7</b> 6.      |
| -<br>1886.87, 1887.88, 1888.89, 1889.90, 189C-31.              |                  | : :              | 8-20             | 4.70             | 4.30             | 4.05             | 21.25                  | <b>: :</b>       |
| 1889-90.   | 99.              | .25              | 2.00             | 11-05            | 16.75            | .30              | 31-15                  | : :              |
| 1888.89  | ::               | : :              | 10               | 11:30            | 07-9             | 3.90             | 21.09                  | 0g.              |
| . 1887-88  | : :              | : :              | .05              | 13.45            | 12:30            | 2.06             | 30.26                  | . ! !            |
|  | 1 : :            | 1.07             | 1.40             | 14.05            | 6.70             | 15               | 23·37                  | 01.              |
|  |                  |                  |                  |                  | : :              | : :              |                        | <b>: :</b>       |
| Talsil.  |                  | : :              | : :              | : :              | : :              | : :              | ŧ, ŧ                   | <b>: :</b>       |
|  | Bhusawar<br>Weir | Bhusawar<br>Weir | Bhusawar<br>Weir | Bhusawar<br>Weir | Bhusawar<br>Weir | Bhusawar<br>Weir | Bhusawar<br>Weir       | Bhusawar<br>Weir |
| Name of month.   |                  | :                | :                |                  |                  | 3                | Total for six months { | :                |
| Ä  | April            | May              | Jano             | July             | August           | September        | Total for              | October          |

| L | 4 | Д | а, | 4 |
|---|---|---|----|---|
|   |   |   |    |   |

|           | ٠                |                     | 12771            |                  | •                |                  |
|-----------|------------------|---------------------|------------------|------------------|------------------|------------------|
| =         |                  |                     |                  |                  | ::               |                  |
| }         |                  |                     | 1 2 10           |                  |                  |                  |
| . 13      | .38              | 42                  | . 14             | .27              | 1.42             | 26-34            |
| 1.70      | 4.94             | 6.08                | 1.80             | 3.52             | 18:45            | 333.95<br>342.52 |
| :         | .12              | : <b>:</b>          | .03              | ; :              | •14              | 31.69            |
| :         | <b>: :</b>       | : :                 | : :              | : :              | 70.<br>          | 19-12            |
| -50       | . •63            | <b>5</b> 0.         | <b>:</b> :       | : :              | .76<br>.92       | 16-19            |
| 1:        | 1001.            | £0                  | FT.              |                  | \$5.             | 12.04            |
| :         | 1-79             | 1-33                |                  | 96.              | 4.22             | 37.92            |
| 1.20      | .86              | .62                 | : :              |                  | 3.38             | 24.27            |
| :         | 1.94             | .83                 | .80              | ю.<br>::         | 3.53             | 28-34            |
| :         | : <b>:</b>       | .25<br>.50          | <br>77           | <b>:</b> :       | .84              | 37-45            |
| :         | .20              | 07.                 | : :              | 05.1             | 2.60             | 23.85            |
|           | : :              |                     | : :              | .30              | .30              | 30.60            |
| :         | : :              | .30                 | .20              | : :              | 1.10             | 22.10            |
| :         | <b>*</b> : :     | 1.05                | . 15             | .10              | 1.20             | 29.06            |
| •         | <b>i</b> i       | ·70                 | : :              | : :              | 1:40             | 20-22            |
|           | : <b>:</b>       | <b>i</b> . <b>i</b> | : :              | : :              | : :              | : :              |
|           | ïi               | ፤ ፤                 | : :              | : :              | : :              | ŧ :              |
| ( Weir    | Bhusawar<br>Weir | Bhusawar<br>Woir    | Bhusawar<br>Weir | Bhusawar<br>Weir | Uhusawar<br>Weir | Bhusawae<br>Woir |
| · · · · · | }                | <b>~</b> ::         | ~~·              | ~~               | ~~               | :                |
|           | December         | January             | February         | Maroli           | Total six months | D Total for year |

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APPENDIX B.

Crop Experiments.

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Statement showing

| $\overline{}$ |          |             |     |               |                        |                            | СНА                    | II.                        |                        |                            |                        |                            | SAIR                   | ABA.                       |                        | •                          |                        | ВАІ                        | RANI.                  |                            | NA<br>K                | HBI O                        | E<br>L                       |
|---------------|----------|-------------|-----|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|------------------------------|------------------------------|
|               |          |             |     |               | Paus                   | ent.                       | CHA                    |                            | CHAT                   |                            | Ряв                    | sent.                      | For                    | uer.                       | Ban                    | eni.                       | BA                     | BANI.                      | B                      | nve.                       | Kn                     | =Kn.                         | ··<br>                       |
| Crops.        | Name     | e of Tahsil |     | Namo of year. | Number of experiments. | Average produce in mauuds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in mounds. | Number of experiments. | Averege preduce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | plumam of confound on an and | Towns of Company of Stranger |
| 1             | Bhusawar | •••         | ••• | { 19          |                        | <br>5 2                    | ō                      |                            | 5                      | 1.8                        |                        |                            |                        |                            |                        |                            |                        |                            | ,,                     |                            |                        | 1                            |                              |
|               |          |             |     |               | 951                    |                            |                        |                            | ,                      |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            | .   .                  |                              | •••                          |
| 1             | Rupbas   | •••         | *** |               | 736                    |                            |                        |                            |                        |                            | ٠   ٠                  |                            | .                      |                            | .                      | .                          | .   .                  |                            |                        |                            |                        |                              |                              |
| ,             | Oochaln  | •••         | ••• |               |                        |                            |                        |                            | .                      |                            |                        |                            |                        |                            |                        | •   •                      |                        |                            |                        |                            |                        |                              |                              |
|               | Biyana   | •••         | *** |               |                        |                            |                        |                            |                        | .                          |                        |                            | -                      |                            |                        |                            |                        | 2                          | 2.0                    |                            |                        |                              |                              |
| *             | Bhusawar | ***         |     |               | 1054<br>1055           |                            |                        |                            |                        | G                          | 2.1                    | •••                        |                        |                            |                        |                            |                        | 8                          | 1.8                    |                            |                        |                              | À                            |
|               | Rupbas   | ***         | ,   | :             | 1054                   |                            |                        |                            |                        | 1                          | ·•.                    | :.<br>2                    | ·:-<br>·3              |                            |                        |                            |                        | 3                          | 2.1                    |                            |                        |                              | •••                          |
|               | Oxchain  |             |     |               | 1951                   |                            | <br>                   |                            |                        | 1                          | 2·7<br>·3              | 1 2                        | 3·9<br>1·2<br>3·8      |                            |                        |                            |                        | 3<br>1<br>2                | 2·3<br>6 3<br>2·9      |                            |                        |                              |                              |
|               | Giyana   | e e         | ,   |               | 1951                   | . 1                        | Σ                      |                            |                        |                            | ,                      |                            |                        |                            |                        | ***                        | ***                    | <br>4                      | 274                    |                            | •••                    |                              |                              |

neriment s.

|         |             |      |    |               |                        |                            | спл                   | MI.                        |                        |                            |                        |                            | SAIR                   | RABA.                     |                        |                            |                        | BA                         | RANI.                  |                            | NA:<br>Kr              | nbi o                      |
|---------|-------------|------|----|---------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|---------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|
| x .     | •           |      |    |               | Pars                   | BNT.                       | CH SATE               |                            | Cu                     | ui<br>ier.                 | Pres                   | SENT.                      | Fon                    | MER.                      | BAB                    | Isut.                      | BA                     | BAWI.                      | Bı                     | TUR.                       | Kn=                    | = Nan:<br>= Kna<br>alla.)  |
|         | ame of Tahs | sil. |    | Name of year. | Number of experiments. | Average produce in maunds. | Number of experiments | Areenge produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds | Number of experiments, | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce la maunds. |
| •       |             | •    | ſ  | 1954          |                        | •                          |                       |                            |                        | . ·<br>                    |                        |                            |                        |                           |                        |                            |                        |                            |                        | <i>,</i> .                 |                        |                            |
| lusawar | •••         |      | {} | 1055          | 3                      | 6.3                        |                       |                            | 20                     | 3•8                        | 2                      | 3                          |                        |                           |                        |                            | 17                     | 3.7                        |                        | ,,,,                       |                        |                            |
|         |             |      |    | 1056          |                        |                            |                       |                            |                        |                            |                        |                            |                        | <i></i>                   |                        |                            |                        | •••                        |                        |                            | •••                    |                            |
| ,       |             |      | [  | 1051          |                        |                            |                       |                            |                        |                            |                        |                            |                        |                           |                        |                            |                        |                            | <i>"</i> "             |                            |                        |                            |
| ipbas   |             | •••  | {  | 1955          |                        |                            |                       |                            | 4                      | 2.0                        | 4                      | 3                          |                        |                           |                        |                            | 2                      | 2.7                        | 8                      | 2-7                        |                        |                            |
|         |             |      |    | 1956          |                        |                            |                       |                            |                        |                            |                        |                            |                        |                           |                        |                            | 6                      | 1'2                        |                        |                            |                        | 100                        |
|         |             |      |    | 1951          |                        |                            |                       |                            | 8                      | 3-1                        |                        |                            |                        |                           |                        |                            | 10                     | 2.6                        | 10                     | 2.4                        |                        | ***                        |
| chain.  | ***         | ***  |    | 1055          |                        |                            |                       |                            |                        |                            |                        |                            |                        |                           | ·                      |                            |                        | }                          |                        |                            |                        | **1                        |
|         |             |      | () | 1056          |                        |                            |                       |                            |                        |                            |                        |                            |                        | .                         |                        |                            |                        |                            |                        |                            |                        | 114                        |
| ,       |             |      |    | 1951          |                        |                            |                       |                            |                        |                            |                        |                            |                        |                           |                        |                            |                        |                            |                        |                            |                        | ***                        |
| yana    | ***         | •••  |    | -1035         |                        |                            |                       |                            |                        |                            |                        |                            |                        |                           |                        |                            |                        |                            |                        |                            | •••                    | •••                        |
| ,       |             |      | Į  | 1056          |                        | •••                        | •••                   |                            |                        |                            |                        |                            |                        |                           |                        |                            | 3                      | •2                         | :                      |                            |                        | •••                        |
|         | ·           |      |    |               |                        |                            |                       |                            |                        |                            |                        |                            |                        |                           | -                      |                            |                        |                            |                        |                            |                        |                            |
|         |             |      |    | 1951          | •••                    | •••                        | •••                   |                            |                        |                            |                        |                            |                        | •••                       |                        |                            | •••                    | •••                        |                        | **                         |                        | •••                        |
| busawar | •••         | ***  |    | 1955          | •••                    |                            |                       |                            | ***                    |                            |                        |                            | •••                    | ***                       |                        | ***                        | 2                      | 1.3                        |                        | **                         | ""                     | ***                        |
|         |             |      |    | 1958          | •••                    | an f                       |                       | "                          | ***                    | ***                        | ***                    | •••                        | •••                    |                           | •••                    | "                          |                        | •••                        |                        |                            |                        | •••                        |
| upbas   | •••         | •    |    | 1954          |                        |                            |                       |                            | ···                    |                            | 4                      |                            | =                      |                           |                        |                            | 4                      | 1.5                        | 2                      | - 1                        | •••                    | ***                        |
|         |             |      |    | 1956          |                        |                            |                       |                            |                        |                            | 4                      | •2                         |                        |                           |                        |                            | 3                      | •2                         |                        | <u></u>                    |                        | •••                        |
|         |             | •    | ſ  | 1054          |                        |                            |                       |                            | 1                      | .2                         | •••                    |                            | •••                    |                           |                        |                            | 3                      | •5                         |                        |                            |                        |                            |
| ochaln  | ***         | •••  |    | 1935          |                        |                            |                       |                            | 2                      | 2.2                        |                        |                            | 1                      | 4-2                       |                        |                            | 1                      | 1.3                        |                        |                            | •••                    |                            |
| ,       |             |      |    | 1956          | -                      |                            |                       |                            |                        |                            |                        |                            |                        |                           |                        |                            | •••                    |                            |                        |                            | •••                    |                            |
|         | ,           |      | 1  | 1931          |                        |                            |                       |                            | -                      |                            |                        |                            |                        |                           |                        |                            |                        |                            |                        | <b></b> .                  | ***                    |                            |
| yana    | ***         | ***  |    | 1955          |                        |                            |                       |                            |                        | -                          |                        |                            | -                      |                           |                        |                            |                        |                            |                        |                            |                        |                            |
|         |             | ı    | Į  | 1950          |                        |                            |                       |                            |                        |                            |                        |                            | ]                      |                           |                        |                            |                        |                            |                        |                            |                        |                            |

|         |          |        |            |     |               |                        |                            | C                      | пані.                      |                        |                            |               | <u> </u>                |                            | SAIR.                  | ABA.                       |                        | •                          |                        | B                          | ABAN                   | I.                          | 1                     | NAMES OF  |
|---------|----------|--------|------------|-----|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|---------------|-------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|-----------------------------|-----------------------|---|
|         |          |        |            |     |               | PE                     | BSENT                      | SA<br>C                | HARI<br>IBLBA.             |                        | Chani<br>Obubb             |               | Presc:                  | XI.                        | Form                   | ER.                        | Bar                    | ısıı.                      | В                      | .IKABA                     |                        | Bavo.                       | · K                   | Nauel or<br>Khatili<br>N=Nahri<br>in=Kha.<br>Till.) |
| Crops   | *        | Name ( | of Tabsil. |     | Name of year. | Number of experiments. | Average produce in manuds. | Number of experiments. | Average produce fu maunds. | Number of experiments. | Average nyoduce in maunds. | 1             | thumber of experiments. | Average produce in maunds. | Number of experiments, | Aretago produeo fa maunds. | Number of experiments, | Averago produeo in maunds. | Number of experiments. | Average produce in manads. | Number of experiments. | Average produce fu mannels. | Number of experiments | Average produce in maunds.                          |
| ļ       |          |        |            | í   | 1954          |                        |                            |                        |                            |                        |                            | J             |                         | .                          |                        |                            |                        | •••                        |                        |                            |                        |                             |                       |   |
|         | Bhusawar | •••    | ***        | }   | 1955          | 5                      | 2                          | 5                      |                            |                        | 5 1.                       | s             |                         | .                          |                        |                            |                        |                            |                        |                            |                        |                             |                       | '   |
|         |          |        |            | l   | 1956          |                        |                            |                        |                            |                        |                            |               | .                       | .   .                      |                        |                            |                        |                            |                        |                            |                        |                             |                       |   |
| ,       |          |        |            | ſ   | 1951          |                        |                            |                        |                            |                        |                            | .             | •   •                   | ٠   ،                      | .                      |                            |                        |                            |                        |                            |                        |                             |                       |   |
|         | Rupbas   | •••    | ***        | }   | 1955          |                        |                            |                        |                            |                        |                            |               | .                       | $\cdot \mid .$             |                        |                            |                        |                            |                        | •••                        |                        |                             |                       |   |
| Cotton. |          |        |            | (   | 1)56          |                        |                            |                        |                            |                        |                            |               | .                       | .   .                      | .                      |                            |                        |                            |                        |                            |                        |                             |                       |   |
| ٥       |          |        |            | ĺ   | 1954          | 4                      | 1.7                        |                        |                            |                        |                            |               | .                       | .   .                      | .   .                  |                            |                        |                            | 1                      | 1.6                        |                        |                             | ١,,,                  |   |
|         | Oochain  | •••    |            | }   | 1955          |                        |                            | -                      |                            |                        | "                          |               |                         | ٠   •                      | $\cdot \mid \cdot$     | .                          |                        |                            |                        |                            |                        | •••                         |                       |   |
|         |          |        | •          | ţ   | 1956          |                        |                            |                        |                            |                        |                            |               |                         |                            | ٠   .                  | .                          |                        |                            |                        |                            |                        | •••                         |                       |   |
|         |          |        |            | 1   | 1054          | •••                    |                            |                        |                            |                        |                            | "             |                         | "                          | .   .                  |                            |                        |                            |                        |                            |                        | •••                         |                       |   |
|         | Biyana   | ***    | ***        | }   | 1955          | •••                    |                            |                        |                            |                        |                            |               |                         | "                          | •   -                  | •   •                      | .                      |                            | 2                      | 2.0                        |                        |                             | <u>.</u>              |   |
| ,       |          |        |            | į   | 1956          | •••                    |                            |                        |                            | ····                   |                            | "             |                         | "                          |                        | •   •                      | •   •                  |                            |                        |                            |                        |                             | •••                   |   |
|         |          |        |            |     |               |                        |                            |                        | -                          | _                      | -                          | <del> -</del> | 1                       | -                          | - -                    | - -                        | - -                    | - -                        | -                      | -                          |                        |                             |                       | _   |
|         |          |        |            |     | 1954          | •••                    |                            | "                      | •••                        |                        | "                          | "             | "                       | "                          | "                      | ٠   .                      | "   .                  |                            |                        |                            |                        |                             |                       | ••  |
|         | Dhusawar | 6+1    |            |     | 1955          |                        | •••                        |                        | •••                        | 6                      | 2.1                        |               | "                       | "                          | "                      | •                          | .   .                  | "                          | 8                      | 1.8                        | ]                      |                             |                       | ••  |
|         |          |        |            |     | 1054          | ***                    | •••                        |                        | ***                        | •••                    | •••                        |               | "                       | "                          | "                      | "                          | •   "                  | "   '                      |                        |                            |                        |                             |                       | **1   |
|         | Rupbas   | •••    | ***        |     | 1054          | "                      | •••                        | •••                    | •••                        | 1                      | ·•·                        | "             | "                       | "                          | "                      | "                          | ٠   "                  | .   .                      |                        | •••                        |                        |                             |                       | •••   |
|         |          | •••    |            |     | 1058          | 1                      | 1.2                        | .                      |                            |                        |                            | 3             |                         |                            | "                      | "                          | "                      |                            | 3                      | 2.1                        |                        |                             |                       | •••   |
| Jawar.  |          |        |            |     | 1951          |                        |                            |                        |                            | 4                      | 2.7                        | 1             | 3.5                     |                            | "                      | "                          | "                      |                            |                        | 1                          | "                      |                             |                       | •••   |
|         | Ochain   |        | •••        |     | 1933          |                        |                            |                        |                            | 1                      | .3                         | 1             | 1-2                     | "                          | "                      | "                          |                        |                            | İ                      |                            | "   '                  |                             | ·                     | •••   |
|         |          |        |            |     | 1056          |                        |                            |                        |                            |                        |                            | 2             | . 3'8                   |                            |                        |                            | "                      |                            |                        |                            | •   •                  | •                           | "                     | ***   |
|         |          |        |            | (   | 1931          |                        |                            |                        |                            |                        | ·                          |               |                         | •••                        |                        |                            |                        |                            |                        |                            |                        | .                           |                       | •••   |
|         | Biyana   | ••     | ***        | ••{ | 1053          | 1                      | 2                          |                        |                            | /                      |                            |               |                         | •                          |                        |                            |                        |                            |                        |                            |                        |                             | ••                    | ***   |
| ļ       |          |        |            |     | 1056          |                        |                            |                        |                            |                        | _                          |               |                         |                            | ***                    |                            |                        |                            |                        |                            |                        |                             |                       | •••   |
|         |          |        |            |     | 1056          |                        |                            |                        |                            |                        |                            |               |                         |                            |                        |                            |                        |                            |                        |                            |                        |                             |                       |   |

DIX B.

crop experiments.

|         | ,           |          |       |           |               |                        |                            | CHI                    | Ant.                       |                        | ·                          |                        |                            | SAII                   | RABA.                     |                        |                            |                        | BA                         | BANI,                  |                            | NA<br>Ki               | HRI O:<br>IATILI<br>=Nahr<br>=Kha- |
|---------|-------------|----------|-------|-----------|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|---------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|------------------------------------|
|         | •           | •        |       |           |               | PRES                   | BNT.                       | C <sub>H</sub><br>Saib | AHI<br>ABA-                | Сп                     | ini<br>deb.                | Per                    | SENT.                      | For                    | MER.                      | Вал                    | alsni.                     | Ва                     | BANI.                      | Bı                     | IUR.                       | Kn                     | =KHA-                              |
| Grops.  | <b>N</b> ar | ne of Ta | hsil. |           | Name of year. | Number of experiments. | Average produce in maunds. | Number of experiments  | Arerage produce in maunds. | Number of experiments. | Average produco in maunds. | Numbor of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Averago produce in maunds. | Number of experiments, | Average produce in manuds,         |
| (       |             |          |       | į         | 1954          | ·                      |                            | •••                    | <i>.</i>                   |                        |                            | <b></b>                |                            |                        |                           |                        |                            |                        | •••                        |                        |                            |                        |                                    |
|         | Bhusawar    | •••      | •     | <b></b> { | 1955          | 3                      | 5·3                        |                        |                            | 29                     | 3•8                        | 2                      | 3                          |                        |                           |                        |                            | 17                     | 3.2                        | •••                    |                            |                        |                                    |
|         |             |          |       |           | 1956          |                        |                            |                        |                            | •••                    |                            |                        | •••                        |                        | <i></i>                   |                        |                            |                        |                            |                        |                            |                        |                                    |
|         |             |          |       | {         | 1954          |                        |                            |                        |                            | •••                    | <i>,</i>                   |                        | •••                        |                        |                           | •••                    | ···                        |                        |                            | 174                    |                            |                        |                                    |
| Ì       | Rupbas      |          | •••   |           | 1956          |                        |                            |                        |                            | 4                      | 2.0                        | 4                      | 3                          |                        |                           | •••                    |                            | 2                      | 2.7                        | 8                      | 27                         | •••                    | ٠.                                 |
| ě       |             |          |       | ļ         | 1950          |                        |                            | •••                    |                            |                        |                            |                        |                            |                        |                           |                        |                            | Đ                      | 1.5                        |                        |                            |                        | 114                                |
| 203)tus | ,           |          |       |           | 1054          |                        | •••                        |                        |                            | 8                      | 3.1                        |                        |                            |                        |                           |                        |                            | 19                     | 2.0                        | 19                     | 2.4                        |                        | •••                                |
|         | Oochain.    | ***      | ***   |           | 1955          |                        |                            | •••                    |                            |                        |                            |                        |                            |                        |                           |                        |                            |                        |                            |                        |                            |                        | ***                                |
|         |             |          |       | ij        | 1959          |                        |                            | •••                    |                            |                        |                            |                        |                            |                        |                           |                        |                            |                        |                            |                        |                            |                        | "                                  |
|         |             |          |       |           | 1951          |                        |                            | •••                    |                            |                        |                            |                        |                            |                        | .,.                       | •••                    |                            |                        |                            |                        |                            |                        | ***                                |
|         | Biyana      | ***      | •••   |           | 1955          |                        |                            | •••                    | •••                        |                        |                            |                        |                            |                        |                           |                        |                            | •••                    |                            |                        |                            | ***                    | ***                                |
|         | ,           | ,<br>    | ·     | { ·       | 1956          | · ••                   | •••                        |                        |                            |                        |                            |                        |                            |                        |                           |                        |                            | 3                      | ·2                         |                        |                            |                        | •••                                |
| (       |             |          |       | ſ         | 1954          | •••                    |                            | <b></b>                |                            |                        | •••                        |                        |                            | •••                    |                           |                        |                            |                        |                            |                        |                            |                        | •••                                |
|         | Bhusawar    | •••      | •••   |           | 1955          | •••                    |                            | •••                    |                            |                        |                            |                        |                            |                        |                           |                        |                            | 2                      | 1.3                        |                        |                            |                        | ***                                |
|         |             |          |       | Į         | 1956          | •••                    |                            |                        |                            |                        |                            |                        |                            |                        |                           | •••                    |                            |                        |                            |                        |                            |                        | •••                                |
|         |             |          |       | [         | 1951          | ***                    |                            |                        |                            |                        |                            |                        |                            |                        |                           | <b></b> .              |                            |                        |                            |                        |                            |                        | •••                                |
|         | Ruphas      | x        | 7     |           | 1955          | •••                    |                            |                        |                            | -2                     | .4                         | 4                      | •7                         |                        |                           | •••                    | ·                          | 4                      | 1.5                        | 2                      | 1                          |                        | ***                                |
| 7.II.   |             |          | •     | {         | 1956          |                        |                            | <i></i>                |                            |                        |                            | 3                      | •2                         |                        |                           |                        | •••                        | 3                      | -2                         |                        |                            |                        | 100                                |
|         |             |          |       |           | 1954          |                        |                            |                        |                            | 1                      | •2                         | •••                    | •                          |                        |                           | •••                    |                            | 3                      | ઃ                          |                        |                            |                        | ***                                |
|         | Oochain     | 41+      | •••   |           | 1935          |                        |                            |                        |                            | 2                      | 2.2                        | ,                      |                            | 1                      | 4.2                       | •••                    |                            | 2                      | 1.3                        | •••                    |                            | ••                     | •••                                |
|         |             |          |       | į         | 1056          |                        | -                          |                        |                            |                        |                            | "                      |                            |                        |                           |                        |                            |                        |                            | •••                    | •••                        | •                      | •••                                |
|         | Risens      |          |       |           | 1021          |                        |                            | -                      | -                          | i                      |                            |                        |                            | <b>-</b>               | -                         | •••                    |                            | ·                      | •••                        |                        | •••                        | •••                    |                                    |
|         | Biyana      | ***      | •••   | •••       | 1955          |                        |                            | -                      | "                          |                        |                            |                        |                            | •••                    | -                         |                        |                            |                        |                            |                        |                            |                        | •••                                |
| •       |             |          | •     | •         | 1956          |                        |                            | -                      |                            |                        | -                          |                        | -                          | -                      | 1                         |                        |                            |                        |                            | 898                    |                            | ••• )                  | -                                  |

APPEN-

Statement showing.

|            |                |            |       |          |               |                        |                            | CHA                    | ні.                        |                        |                            |                        |                            | BAIR                   | ABA.                       |                        |                            |                        | BAI                        | RANI.                  |                            | NAT<br>Kn              | IBI OR<br>ATILI<br>NAHRI   |
|------------|----------------|------------|-------|----------|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|
|            |                | ,          |       |          |               | Presi                  | NT,                        | Спя                    | ITI                        | Спа                    | HI<br>IBB.                 | Pres                   | BRI.                       | Fon                    | MBR.                       | BAB                    | ishi.                      | Ваз                    | ANI.                       | Bı                     | IUR.                       | Kn=                    | KHA-                       |
| Grops.     |                | Jame of Ta | hsil. |          | Name of year. | Number of experiments. | Averago produen in mauuds. | Number of experiments. | Average produce in manuds. | Number of experiments. | Average produce in mauuds. | Number of experiments. | Average produce in manuds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds, | Number of experiments. | Averago produce in maunds. |
| ſ          |                |            |       | (        | 1054          |                        | •••                        | •••                    |                            |                        | •••                        |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
|            | Bhusawar       | •••        | ***   |          | 1955          |                        | •••                        |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
|            |                |            |       | \        | 1956          |                        | •••                        |                        |                            | •••                    |                            |                        |                            |                        | •••                        |                        |                            |                        |                            |                        |                            |                        |                            |
|            |                |            |       | ſ        | 1954          |                        | •••                        |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            | <b>,</b>               |                            |
|            | <b>В</b> пррая | •••        | •••   |          | 1985          |                        |                            | •••                    |                            |                        |                            | •••                    | .,.                        |                        |                            |                        |                            | ٠                      |                            |                        |                            | •••                    |                            |
| fogsreaus. |                |            |       | į)       | 1956          |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        | •••                        |                        |                            |                        | <b></b>                    |
| Sog        |                |            |       |          | 1954          |                        | •••                        |                        | ···                        | •••                    | •••                        | •••                    |                            |                        |                            |                        |                            |                        |                            | ***                    | •••                        |                        |                            |
| į          | Oochain        | ***        | •••   |          | 1955          |                        | •••                        | 1                      | 17.5                       |                        |                            | •••                    | •••                        | •••                    |                            |                        | <b>"</b> "                 |                        | •••                        | ***                    | •••                        | •••                    |                            |
|            |                |            |       | (        | 1050          |                        |                            | 1                      | 9.2                        |                        | •••                        | <b></b>                |                            | •••                    | •••                        | •••                    | •••                        | •••                    | •••                        | •••                    | •••                        | •••                    | •••<br>、                   |
|            | Biyana         | ***        | ***   |          | 1054          |                        |                            |                        |                            | ***                    |                            | ::                     |                            |                        | ***                        |                        |                            |                        |                            |                        | ::                         | ***                    |                            |
| 1          | ,              |            |       |          | 1956          |                        |                            | ,                      | 8                          |                        |                            | •••                    |                            |                        |                            |                        | •••                        | •••                    |                            | •••                    | •••                        |                        |                            |
|            |                | حبسير هميب |       |          |               |                        |                            |                        |                            |                        |                            |                        |                            | <del></del>            |                            |                        |                            |                        |                            |                        |                            |                        |                            |
|            | ſ              |            |       | {        | 1051          | 6                      | 6                          |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        | ••                         | •••                    | 1.7                        |
|            | Bhusawar       | ***        | •••   | <br>}    | 1955          | 31                     | 7.6                        | 4                      | 8:4                        |                        |                            | 1                      | 5.6                        |                        |                            |                        |                            |                        |                            |                        |                            |                        | ***                        |
|            |                |            |       | l        | 1956          |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        | •••                        | •••                    | •••                        |
|            |                |            |       |          | 1951          |                        | 4.2                        |                        |                            |                        |                            | 5                      | 2.2                        |                        |                            |                        |                            |                        | •••                        | •••                    |                            | •••                    | ***                        |
|            | Rupbas         | ***        | ***   | {        | 1955          |                        | 2.3                        |                        | "                          |                        |                            | 5                      | 2.7                        |                        |                            |                        |                            | ۸.                     |                            | • <sub>2</sub>         | •••                        | •••                    | ***                        |
| Wheat.     |                |            |       | ,        | 1950          |                        |                            | -                      | -                          |                        |                            | 4                      | 7.6                        | -                      | •••                        |                        | ****                       | ,                      | •••                        | ""                     | •••                        | •••                    | <b></b>                    |
|            | Oochain        | ***        | •••   | <b>"</b> | 1953          |                        |                            |                        |                            |                        |                            | 2                      | <b>c</b> .8                |                        |                            |                        | `                          | "                      |                            |                        |                            |                        | •••                        |
|            |                |            |       |          | 1050          | , ,                    | 5-80                       |                        |                            |                        |                            | 1                      | 5.10                       |                        |                            |                        | .•.                        |                        |                            |                        | 5                          | N. 1                   | 6.8                        |
|            |                |            |       |          | 195           |                        | -                          |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            | Kh. 1                  | 8.7                        |
|            | Biyana         | ***        |       | <b>"</b> | 1034          | 23                     | 7:3                        |                        |                            | "                      | ***                        | 1                      | 4.8                        |                        |                            |                        |                            |                        | ***                        | •••                    | <b></b>                    |                        |                            |
|            | Į)             |            | t     |          | 1054          |                        |                            |                        | -                          |                        |                            |                        |                            |                        |                            |                        |                            |                        | ,·••                       | •••                    |                            | •••                    | ne                         |

DIX B .- continued.

crop experiments .- continued.

| ,  | ٠.      |          |            |        |          |               |                        | <del></del>                | CH                     | MI.                        |                        |                            |                        |                            | SAII                   | RABA,                      | <u></u>                |                            |                        | BAÏ                        | RANI.                  |                            | Nai<br>Kr              | TRI OR                             |
|----|---------|----------|------------|--------|----------|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|------------------------------------|
|    |         |          | •          |        |          |               | Pats                   | ent.                       | Cn:<br>Sair            | HE<br>ABA.                 | Cn.                    | uni<br>unn.                | Pres                   | BENT.                      | FOR                    | MEE'                       | BAT                    | isni.                      | BAR                    | iawi.                      | Bı                     | IUB.                       | (Ne<br>Kn              | IRI OR IATILI = Hansi = Kha- ILI-) |
|    | Grops,  |          | Name of Ta | absil. |          | Name of year. | Number of experiments. | Average produce in maunds, | Number of experiments. | Average preduce in maunds, | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce to maunds, | Number of experiments. | Average produce to maunds. | Number of experiments. | Arerage produce in maunds. | Number of experiments. | Average Produce in maunds. | Number of experiments. | Average prodoce in manods. | Number of experiments. | Arerage produce in maunds.         |
|    | • [     |          |            |        |          | 1951          | 0                      | 7:4                        |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                                    |
| 4  |         | Bhusawar | ***        | *,*    |          | 1955          | 42                     | 818                        |                        | •••                        | Б                      | 11                         |                        |                            | ***                    | •••                        |                        |                            |                        |                            |                        |                            |                        |                                    |
| •  |         |          |            |        |          | 1956          | 7                      | <br>3                      |                        |                            | •••                    | ***                        | 4                      | 2                          | ***                    | •••                        |                        |                            |                        |                            |                        |                            |                        | ***                                |
|    |         | Rupbas   | 8**        | ***    |          | 1955          | 17                     | 3.8                        | •••                    | •••                        | •                      | ***                        | 3                      | 2:3                        | •••                    |                            |                        |                            |                        |                            |                        |                            |                        |                                    |
|    | Barley. | -        |            |        |          | 1956          | 7                      | 10.4                       | •••                    | •••                        | <b></b>                | <b></b>                    | 1                      | 6                          | •••                    | •••                        | •••                    | •••                        |                        | ***                        |                        | •••                        |                        |                                    |
|    | Bar     |          |            |        |          | 1951          | 11                     | 4*8                        | 1                      | 8*8                        |                        | •••                        |                        | •••                        | •••                    | •••                        |                        |                            | 1                      | 2'4                        |                        | ••••<br>••••               |                        | •••                                |
|    | ,       | Oochain  | pet        | ***    | •{       | 1955          | 24                     | 7·1<br>4·37                | 3                      |                            |                        | Nahri.                     | 1<br>} 1               | 3°9<br>3°4                 | •••                    | •••                        | ***                    |                            |                        | ***                        |                        | {                          | <br>N. 2               | 5.25                               |
|    |         |          |            |        | ſ        | 1954          | •••                    | <b></b>                    |                        |                            | 1                      | 12-62                      |                        | 1**                        | •••                    |                            | •••                    |                            | <b></b>                |                            |                        |                            | кь, 1                  | 8.4                                |
|    | İ       | Biyana   | •••        | •••    | {        | 1055          | 29                     | 7•16                       | 3                      | 8.1                        |                        |                            | 1                      | •3                         | •••                    | ***                        | •••                    |                            |                        |                            |                        | •••                        | <b>5-11</b>            | •••                                |
|    | j,      | ,        | •          |        | {        | 1956          |                        | 1                          |                        | 5.00                       |                        |                            |                        |                            |                        | •••                        | •••                    |                            |                        |                            |                        | •••                        |                        |                                    |
|    | ٠(      |          |            |        | [        | 1951          |                        |                            | •••                    | •••                        | 2                      | 3.5                        |                        | •••                        |                        | ***                        |                        | •••                        |                        |                            | 1                      | 2                          |                        | ***                                |
| *  |         | Bhusawar | ***        | •••    |          | <b>2</b> 035  | •••                    |                            |                        | •••                        |                        |                            | 8                      | 5-1                        |                        |                            | 1                      | 3'5                        | 3                      | 2.5                        | •••                    | •••                        | -,-                    | •••                                |
| ·  |         |          |            |        | ١        | 1256          |                        | <b></b>                    |                        | ***                        | •••                    | ***                        |                        |                            |                        |                            | •••                    |                            |                        |                            |                        | •4•                        |                        | •••                                |
|    |         | Rupbas   | ***        | •••    |          | 1951          | •••                    |                            |                        |                            | ::                     | •••                        |                        | •••                        |                        |                            |                        |                            | 1                      | 2.8                        |                        |                            |                        |                                    |
|    | ė       |          | •          |        |          | 1956          | •••                    |                            | •••                    | •••                        |                        | •••                        | 3                      | С                          |                        |                            | •••                    |                            |                        |                            |                        | •••                        |                        | ***                                |
|    | Gram.   |          |            |        |          | 1951          | •••                    |                            | p./4                   |                            |                        | ***                        | 5                      | 3-1                        |                        | •.•                        |                        | 141                        | 10                     | 2.0                        |                        |                            | •••                    | •••                                |
|    |         | Oochain  | ,,,        | •••    | **       | 1955          | ***                    |                            |                        |                            | •••                    | •••                        | 1                      | 7:3                        | ***                    |                            | •                      |                            | 7                      | 3.2                        | •"                     | "                          |                        |                                    |
|    |         |          |            | -      | . (      | 1956          | •••                    |                            | 944                    | ,                          | :-                     |                            |                        | ,<br>,                     |                        |                            |                        |                            | -                      |                            |                        |                            | N, 1                   |                                    |
| -4 |         | Biyana   | •••        | •••    | <u>{</u> | 1955          |                        |                            |                        | •••                        | <b>539</b>             | 4                          | ε                      | 7:2                        |                        |                            | •                      | ٠                          |                        |                            |                        |                            |                        | 200                                |
|    |         |          |            |        | l        | 1056          |                        |                            |                        |                            |                        | ***                        |                        | 1                          |                        |                            | -                      |                            |                        | -                          |                        |                            |                        | •••                                |

### Statement showing

|        |          |            |       |       |               |                        |                            | СНА                    | HI.                        |                        |                            |                        | ······································ | SAII                   | RABA.                      |                         |                            |                        | BŸI                        | RANI.                  |                            | NAT<br>KH              | IRI OB<br>ATILI<br>NAME    | ı |
|--------|----------|------------|-------|-------|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|--|------------------------|----------------------------|-------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|---|
|        |          |            |       |       |               | Presi                  | ni.                        | CHA<br>SATEA           | RI<br>BA.                  | Cna                    |                            | Pres                   | ENT.                                   | For                    | MEE.                       | BAR                     | іені.                      | BA                     | CANI.                      | Br                     | ur.                        | Kn=                    | -KHA-                      |   |
| Crops. | ì        | Name of Ta | hsil. |       | Namo of year. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Averago produco in maunds.             | Number of experiments. | Average produce in maunds. | Nunibar of experiments. | Average produce in mauods, | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | • |
|        |          |            |       | . (   | 1954          |                        | <b></b>                    | <b></b> ,              |                            |                        | 171                        |                        |  |                        |                            |                         |                            |                        |                            |                        |                            |                        |                            |   |
|        | Bhusawar |            | •••   | {     | 1955          |                        | •••                        | •••                    |                            | •••                    |                            | 1                      | 3°3                                    |                        |                            |                         |                            |                        |                            |                        |                            | ·                      |                            | 1 |
|        |          |            |       | , [   | 1958          |                        |                            |                        |                            | •••                    | •••                        |                        |  |                        |                            |                         |                            | •••                    |                            |                        |                            |                        |                            | • |
|        |          |            |       | [     | 1954          | 2                      | 2.7                        |                        |                            | •••                    | •••                        | 3                      | 2.7                                    |                        |                            |                         |                            | 3                      | 1.2                        |                        |                            | <b></b> .              |                            |   |
|        | Ruphas   |            | •••   |       | 1955          |                        | •                          |                        |                            | ···•                   |                            | 1                      | 3.2                                    |                        |                            |                         |                            | •••                    |                            |                        |                            |                        |                            |   |
| Belar. |          |            |       | Į.    | 1956          |                        |                            |                        | •••                        | •••                    |                            | 1                      | 19                                     | •••                    |                            |                         | •••                        |                        |                            |                        | •••                        |                        | ·                          |   |
|        |          |            |       | ſ     | 1954          |                        |                            |                        | ***                        | •••                    |                            | 6                      | 5.2                                    | •••                    |                            |                         |                            | 4                      | 2.8                        | ••                     | ***                        | •••                    |                            |   |
|        | Oochain  | •••        | ***   |       | 1955          |                        | <b></b> .                  |                        | •••                        | •••                    | ***                        | •••                    |  | •••                    |                            |                         |                            | •••                    |                            | •••                    | •••                        | •••                    |                            |   |
|        |          |            |       | Į     | 1956          | 1                      | 317                        |                        | ••                         |                        | •••                        | 2                      | 272                                    | •••                    |                            |                         |                            |                        | •••                        | •••                    | •••                        | •••                    | ***                        | • |
|        |          |            |       |       | 1951          | •••                    |                            |                        | •••                        | ***                    | •••                        |                        |  | •••                    |                            | •••                     |                            |                        |                            |                        | •••                        | •••                    | •••                        |   |
|        | Biyana   | ***        | ***   | {<br> | 1955          |                        |                            |                        |                            | ***                    |                            |                        |  | •••                    |                            |                         |                            |                        | •••                        | •••                    |                            | •••                    | ***                        |   |
| ٠ ,    |          |            |       | (     | 1956          |                        |                            | •••                    |                            | ***                    | •••                        | •••                    |  |                        |                            |                         |                            | •••                    |                            | <b></b>                | •••                        | •••                    | •••                        |   |
| ,      |          |            |       |       | 1934          |                        |                            |                        |                            |                        |                            |                        |  |                        |                            |                         |                            |                        |                            |                        |                            |                        |                            |   |
|        | Bhusawar | •••        | •••   |       | 1955          | 4                      | 8.6                        | , ,                    | 19-6                       |                        | ***                        |                        | 7.5                                    |                        |                            | <b>.</b>                |                            |                        | :                          |                        |                            | •••                    | •••                        | 4 |
|        |          |            |       | . [   | 1956          |                        |                            |                        |                            |                        | <b>.</b>                   |                        |  | •••                    |                            | a                       |                            |                        |                            |                        |                            |                        |                            |   |
|        |          |            |       | {     | 1954          | 4                      | 4                          |                        |                            |                        |                            | ·                      |  |                        | •                          |                         |                            |                        | . <u>i.</u>                |                        |                            |                        | •••                        |   |
| İ      | Rupbas   | ***        | ···:  |       | 1955          | 3                      | 3.4                        |                        |                            |                        |                            |                        |  |                        |                            |                         |                            |                        |                            |                        |                            |                        |                            |   |
| Gojra. |          |            |       |       | 1056          | • 4                    | 8.0                        |                        |                            |                        |                            |                        |  |                        |                            |                         |                            |                        | <b></b>                    |                        |                            |                        | ***                        |   |
| Go     |          |            |       |       | 1951          | 1                      | 13-4                       | 1                      | ₽.C                        |                        |                            | 1                      | 9.0                                    | <b></b>                |                            |                         |                            |                        | •••                        |                        |                            |                        | •••                        |   |
|        | Oochain  | ***        | •••   | •     | 1955          | 1                      | 11.2                       | -                      |                            |                        |                            |                        |  |                        |                            |                         |                            | •••                    |                            |                        | •••                        | <b></b>                | •••                        |   |
|        |          |            |       | į     | 1956          | 4                      | 4.1                        | 1                      | 11:2                       |                        |                            | 4                      | 3                                      |                        |                            |                         | •••                        | •••                    |                            | sat                    |                            | •••                    |                            |   |
|        | D'       |            |       |       | 1051          |                        |                            | -                      |                            |                        |                            |                        | •••                                    | <b>,</b>               |                            |                         |                            | •••                    |                            | •••                    |                            | •••                    |                            |   |
|        | Diyana   | ***        | •••   |       |               |                        | 8-1                        | 2                      | 4-3                        | -                      |                            | 1                      | 28                                     |                        |                            |                         |                            | •••                    |                            | ***                    |                            | •••                    |                            | , |
| _      | <u> </u> |            |       |       | 1956          |                        | -                          |                        |                            | -                      |                            |                        |  |                        |                            |                         | <b></b>                    | •••                    |                            |                        | •••                        | •••                    | ***                        |   |

DIX B .- concluded.

crop experiments-concluded.

|                    |                   |            |        |            |               |                        |                            | CH.                    | ui.                        |                        |                            |   |                            | SAI                    | RABA                       |                        |                            |                        | ВА                         | BANI.                  |                            | NA<br>K                | HRI OR HATILI NAME = KHA-  |
|--------------------|-------------------|------------|--------|------------|---------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|---|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|
|                    | . ,               |            |        |            |               | Pass                   | ent.                       | Sali<br>Sali           | ani<br>Baba.               | Cn<br>For              | ani<br>uze.                | Pag                                     | eent.                      | For                    | EMEL,                      | BAI                    | cieni.                     | В                      | DANI.                      | В                      | nce.                       | Ku                     | =Kna-<br>=Kna-<br>tili).   |
|                    | •                 | Name of Ta | ahsil. |            |               | •                      | ıds.                       |                        | nds.                       |                        | nds.                       |   | ગપૈક.                      |                        | ıdı,                       |                        | ıda.                       |                        | ıdı.                       |                        | de.                        |                        | ds.                        |
| Crops.             | ,                 |            |        | •          | Name of year. | Number of experiments. | Average produce in maunus. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. | Number of experiments.                  | Average produce la maunda. | Number of experiments. | Average produce in manuds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in mannds. | Number of experiments. | Average produce in maunds. | Number of experiments. | Average produce in maunds. |
| í                  | Bhusawar          | •••        | ***    | •••        | 1955          |                        |                            |                        |                            |                        |                            | 2                                       | 56                         |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
| ij.                | Rupbas            | •••        | ***    |            | 1955          |                        |                            |                        |                            |                        |                            | 3                                       | 1.3                        |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
| Cochul.            | Oocháln           | •••        | ***    |            | 1955          |                        |                            |                        |                            |                        |                            | 2                                       | 1.3                        |                        |                            |                        |                            |                        |                            |                        |                            | N. 1                   | 5.8                        |
| ļ                  | Biyans            |            |        | <i>.</i>   | 1955          |                        |                            |                        |                            |                        |                            |   |                            |                        |                            |                        |                            |                        |                            | ,,                     |                            |                        |                            |
| í                  | Bhusawar          | •          |        | }          | 1951          | .1                     | 1                          |                        |                            |                        |                            | -                                       |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
|                    | , Dausanai        | ***        | •••    | <b>"</b> [ | 1935          | 12                     | 1'9                        | (1                     | 3.2                        | •••                    |                            |   |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
| eed).              | Rupbas            | ***        | :      | {          | 1951          |                        |                            |                        |                            |                        |                            | ::<br>:                                 |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        |                            |
| Zira (cumin seed). |                   |            |        | ,          | 1951          |                        | ***                        |                        |                            |                        |                            |   |                            |                        |                            |                        | ,                          |                        |                            | ,                      |                            |                        |                            |
| Zira               | Oochain           | •••        | •••    |            | 1955          |                        |                            | ,                      | •••                        | •••                    |                            |   |                            |                        |                            |                        |                            |                        | <b></b>                    | •••                    |                            |                        |                            |
| , ,                | Bizana            | •••        | ***    | {          | 1054          |                        |                            |                        |                            | ***                    |                            |   |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        | ***                        |
|                    |                   |            | ····   |            |               |                        |                            |                        |                            |                        |                            |   |                            |                        |                            |                        |                            |                        | -                          |                        |                            |                        |                            |
| ,                  | Bhusawar          | ***        | ***    | •          | 1955          | 1                      | .G-1                       |                        | •••                        |                        | •••                        | •••                                     | •••                        |                        | •••                        |                        | •••                        | 1                      |                            |                        | •••                        |                        | •••                        |
| Kacçal.            | Rupbas            | •••        | ***    | ***        | 1955          | ***                    |                            | ***                    | •••                        | ***                    | •••                        | •••                                     |                            |                        | •••                        | •••                    |                            |                        |                            | •••                    | •••                        | •:•                    | •••                        |
|                    | Oochain<br>Biyana |            | ***    | ···        | 1955          |                        | ···                        |                        |                            |                        |                            |   |                            |                        | •••                        |                        |                            |                        |                            |                        |                            |                        | ,                          |
|                    | Bhusawar          | •••        |        |            | 1055          |                        |                            |                        |                            | 2                      | 1.8                        | -<br>1                                  | 1-1                        |                        |                            |                        |                            | -                      | 1                          |                        |                            |                        | •••                        |
|                    | Rapbas            | •••        |        |            | 1925          |                        |                            |                        |                            |                        | •••                        |   |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        | •••                        |
| Masins.            | Oochala           | ***        | •••    |            | 1955          | <i>-</i>               |                            | <br>                   |                            |                        |                            |   |                            |                        |                            |                        |                            |                        |                            |                        |                            |                        | •••                        |
|                    | Diyana            | **2        | •••    |            | 1953          |                        |                            |                        |                            |                        |                            |   |                            |                        |                            |                        |                            |                        | -                          |                        |                            |                        | •••                        |
| .                  |                   |            |        |            | 1925          | 1                      | 6-6                        |                        |                            | 1                      | 1.32                       |   |                            |                        |                            |                        |                            |                        |                            |                        |                            | :                      | •••                        |
| ZO.                | Rupbas            | •••        | •••    |            | 1951          |                        |                            |                        |                            |                        |                            |   |                            |                        |                            |                        |                            |                        |                            |                        |                            | -                      |                            |
| Maizo.             | Occhala           | ***        | •••    | .          | 1935          |                        |                            |                        |                            |                        | {                          |   |                            |                        | -                          |                        |                            |                        |                            |                        |                            |                        | <del></del>                |
|                    | Bijena            | •••        | •••    |            | 123           | -                      |                            |                        |                            |                        |                            | • |                            |                        |                            |                        |                            |                        |                            | -                      | -                          | -                      | 374                        |

Showing prices.

|        | Соориі,        | : :                |                    |                    |                    |                    |   | : :                  |                    |
|--------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|----------------------|--------------------|
|        |                | 1                  | 1                  | <u> </u>           |                    | <u> </u><br>       | <u>                                      </u> |                      |                    |
|        | Gojra.         |                    | : :                | : :                |                    | : :                | : :   | : :                  | : :                |
|        | Bejar.         | 83 :               | 92 ::              | :                  | : :                | 13                 | <b>1</b> 0 :                                  | ::                   | : :                |
| RABI.  | eeda.          | :: 18              |                    | 15                 | £1 £1              | 13                 | 13  | 16                   | 15                 |
|        | дгат.          | 28<br>26           | 27                 | 33 S               | 92<br>83           | हीं ही             | ឌន  | នន                   | ន្តន               |
|        | Barley.        | 30                 | 28                 | 27                 | 23 23              | 22 25              | 22 22   | ន ន                  | 8 <b>23</b>        |
|        | /Vheat.        | 23                 | 20                 | 20<br>17           | 20                 | 20                 | 18  | 23<br>20<br>20<br>20 | ឡ នូ               |
|        | · , ,TTT       | 10                 | 10                 | 13<br>9            | 11 9               | 10                 | п<br>6  | 13<br>10<br>10       | 112                |
|        | Masina         | 18                 | 77                 | 33<br>20           | 21<br>18           | 53<br>50           | 13  | 13 13                | 8 2                |
| Кнаян. | Jwar, maize.   | 22 22              | 27<br>26           | 28                 | 32 E3              | 23 E3              | ន ន   | 8 8                  | 31                 |
|        | .czfaI         | 53 · 55            | c1 c3              | 93 OS              | ន                  | ន ខ                | ន ដ   | 88 53                | £ £                |
|        | Cotton.        | 10                 | 10                 | 9 9                | 21<br>21           | 11                 | 71<br>113                                     | 11                   | 11.                |
|        | <u> </u>       | - ; ;              | : :                | : :                | <b>:</b> :         | ŧ <u>i</u>         | : 1   | : i                  | : : '              |
|        |                | 1 i                | : :                | : :                | š :                | : :                | : !   | ; :                  | <b>:</b> :         |
|        | Dotails.       | : :                | : :                | £ £                | : :                | : :                | : :   | : :                  | <b>:</b> :         |
|        | A              |                    | 1 =                | 1 <u>:</u>         | ; į                | <b>:</b> :         | : 1   | : :                  | <b>!</b> !         |
| ,      |                | Harvest<br>Bazar   | Harvost<br>Bazar   | Harrest<br>Bazar   | Harvest<br>Bazar   | Harvest<br>Bazar   | Harvest<br>Bazar                              | Harvest<br>Bazar     | Harvest<br>Bazar   |
|        |                |                    |                    | ا الم              |                    |                    | - تيت   | تې ا                 |                    |
|        | •              | ±                  | i                  | :                  | i                  |                    | :   | ì                    | :                  |
|        | <del>t</del> i | ŧ                  |                    |                    | :                  |                    | :   | ÷                    | ŧ                  |
|        | Sambat,        |                    |                    |                    | _                  | _                  |   | -                    |                    |
|        |                | 1550-81 to 1869-20 | 1890-91 to 1893-99 | 1830-81 to 1839 90 | 1890-01 to 1893-99 | 18£0-81 to 1839-90 | 1890-91 to 1838-09                            | 1880-81 to 1889-00   | 1e90 91 to 1698-e9 |
|        | ei ei          |                    |                    |                    | i                  |                    |   |                      |                    |
|        | Tahsil.        | .erd               | Rul                | •साम्प             | ∞0                 | .Est               | īII.  | *ATAL                | end <b>i</b>       |

Statement showing Produce estimate of Tahsil Rupbas.

Statement showing Produce estimate of Tahsil Rupbas,

|      | •       |                      | 4     |                 | •       | XUV      | 11           |         |            |        |         |            |             |          |            |             |          |
|------|---------|----------------------|-------|-----------------|---------|----------|--------------|---------|------------|--------|---------|------------|-------------|----------|------------|-------------|----------|
| 62   |         | Total of both crops. | 8,325 |                 |         | 3,656    |              |         | 4,670      | :      |         | 1,408      | ;           | :        | 160        | :           |          |
| - 28 |         | .leioT               | 7,519 | :               | :       | :        | :            | :       | 212        | :      |         | 1,108      | :           | :        | :          | :           | :        |
| 27   |         | Others.              | 555   | 10              | :       | i        | :            | ;       | 18         |        | :       | 4          | :           | :        | :          | :           | ;        |
| 26   |         | Carrots.             | 16    | :               | :       | ;        | :            | :       | :          |        | :       | :          | 1           |          | :          | :           | •        |
| 25   |         | "Cira (cumin seeda). | 2,004 | Rs. 12          | 1       |          | :            | :       | :          |        |         | 29         | :           | :        |            | i           | :        |
| 2.5  |         | Vegotables.          | 2     | Rs. 13          | i       | :        | :            | ]       | :          | ;      | :       | C          | :           | :        | ;          | ;           | ;        |
| 23   | ij      | .coordoT             | 83    | Rs. 30<br>p. b. | :       | ;        | :            | ;       | -          | :      | :       | ;          | :           | :        | i          | i           | i        |
| 23   | Rabt.   | Sarson.              | 159   | 61.             | 318     | i        | :            | ;       | OS.        | -      | 08      | 18         | e1          | 103      | ÷          | ÷           | :        |
| 21   |         | Gojra.               | 383   | æ               | 3,064   | :        | ٠,           | ÷       | 8          | 69     | စ       | ß          | 6           | 450      | :          | ;           | :        |
| 20   |         | Сосра                | Ħ     | 7.1             | 80      | :        | :            | :       | 12         | . 65   | 38      | 13         | 60          | 90       | ;          | :           | :        |
| 19   | ٠.      | -7niel               | 20    | 168             | 170     | :        | :            | :       | <b>6</b> 0 | ဗ      | 23      | 0          | <b>#</b>    | 25       | :          | ;           | :        |
| 18   |         | Gram and peas.       | 23    | 7               | 190     | :        | i            | :       | 83         | က      | 180     | 98         | 2           | 603      | :          | :           | ;        |
| 17   |         | Barley.              | 2,784 | •               | 22,472  | :        | i            | :       | 23         | 43     | 90      | 509        | 0           | 1219     |            | 1           | ;        |
| 16   |         | ·4radV/              | 1,273 | 73              | 9,517   | . ]      | :            | :       | C          | 43     | 40      | 010        | В           | 48,50    | :          | :           | !        |
| 15   |         | .fc30T               | 800   | :               | i       | 3,850    | :            | E       | 4,450      | :      | :       | :          | · ;         | :        | 166        | :           | :        |
| 12   |         | Of pera.             | 183   | 10              | :       | 31       | :            | :       | 59         | :      | :       | i          | :           | 1        | 69         | i           | i        |
| 13   |         | -storrot             | 1     |                 | :       | :        | :            | :       | :          | :      | :       | i          | i           | ï        | ŀ          | :           | :        |
| 12   |         | Vegetables.          | 38    | Rs. 12          | :       | 31       | :            | :       | ۵.         | :      | :       | :          | :           | i        | :          | :           | :        |
| п    |         | +020rdoT             | ¥     | Rs. 30          | i       | 58       | :            | :       | 8          | i      | :       | :          | i           | i        | :          | i           | :        |
| 01.  |         | sogarcane.           | 35    | Дв. 20          | i       | i        | :            | :       | :          | :      | :       | -          | :           | :        | ' <u>:</u> | :           | :        |
| 6    | Килагъ. | .tit.                | 23    | 23              | 63      | 90       | ศา           | 180     | 323        | FR.    | 630     | ;          | :           | : 1      | -          | 23          | 10       |
| 8    | Кп      | Gawar charri.        | -     | :               | i       | 46       | :            | :       | 203        | i      |         |            | <u>:  </u>  | :        | £.         | -           | <u>:</u> |
| -    |         | •caiec14             | 80    | ส์              | 20      | 17       | É            | £       | 93         | 12     | 233     | 2.         | :           | ;        | ;          | •           |          |
| 9    | ļ<br>ļ  | .21 ai ze.           | :     | :               | :       | ;        | :            | :       | :          | :      | :       | :          | -           | :        |            | :           | -        |
| 20   |         | *3272£               | -     | 4               | - E     | 02       | 4            | 223     | 380        | 44     | 1,550   | <u>:</u>   | : ]         | :        | -          | *           |          |
| 4    |         | Bajra.               | 13    | 10              | 8       | 3,120    | *            | 12,510  | 2,777      | 4      | 11,109  | :          | ;           | :        | 8          |             | ž        |
| 6    |         | •поззоО              | 457   | 15°             | 1,600   | 200      |              | ğ       | 89         | ត់     | 1,522   | :          | :           | :        | .          | ត           | =<br>    |
| 8    |         | Defails.             | Атса  | Rato            | Produce | Area     | Rate         | Produce | Атса       | Rate   | Produce | Атеа       | Rato        | Produce  | Агеа       | Rate        | Produce  |
| 1    |         | Bolts.               |       | Irrigated       |         |          | Unfrigated < |         |            | :      |         | <u></u>    | Irrigated < |          |            | Univigated  | -        |
|      |         |                      | -     |                 |         | Present. | Jded         |         | <u> </u>   | Former |         | <i>-</i> _ |             | derlas I | CPPP       | <del></del> | \        |

# APPENDIX D-contd.

Statement showing Produce estimate of Tuhsil Ruphas—could.

| 28 20  |         | Total of both crops. | 4,020 6,699 | :   | :  | 272 273    | :          | :  | 1,469 11,407 | :                | <br> -<br> -    | 150 278 |                 |                 | 3,116 44,733 | :               |              |
|--------|---------|----------------------|-------------|---|--|------------|------------|--|--------------|------------------|-----------------|---------|-----------------|-----------------|--------------|-----------------|--------------|
| - 32   |         | Others.              | 10          | :   | :  | -          | :          | :  | 88           | :                | <u> </u><br>  : | ន       |                 | :               | 202          | <u> </u><br>  : | ;            |
| 2      |         | Carrots.             | 1<br>:      | :   |  | :          | :          | :  | :            | :                |                 | :       | :               | :               | <u> </u>     | <u> </u>        | :            |
| - S    |         | Zira (cumin seeds).  | 34          | :   | :  | :          | :          | :  | :            | ;                | :               | :       | :               | <u> </u><br>  : | :            | ;               | :            |
| ===    |         | Vegetables.          | :           | :   | ;  |            | ;          | :  | ;            | ;                | :               | ;       | ;               | ;               | ;            | ;               | ;            |
| 23     |         | Tobacco.             | -           | :   | :  | :          | :          | :  | :            | :                | :               | :       | :               | :               | :            | :               | :            |
| 8      |         | -nositS              | 882         | e1  | 270  | ٩          | 61         | 10   | 282          | 10               | 501             | ;       | :               | :               | 602          | =               | 1,203        |
| ត      | Rant.   | Gojra.               | 558         | ود  | 2,700  | e e        | 123        | 12   | į            | :                | :               | :       | :               | :               | Ħ.           | <sub>8</sub>    | <sup>8</sup> |
| 22     |         | Goelini.             | 41          | נט  | 855  | :          | ;          | :  | æ            | <sub>2</sub>     | 5               | =       | , 01            | 83              | 29           | 8               | 171          |
| a      |         | -refolf              | 301         | LC)   | 1,035  | ı          | :          | i  | 235          | , n              | 735             | 12      | "               | E               | 5            | <sup>m</sup>    | 237          |
| 18     |         | Gram and peas.       | 030         | 204   | 4,605  | i          | :          | :  | 003          | , n              | 1,500           | 23      | , m             | 207             | 1,041        | 67              | 9,012        |
| 11     |         | Harley.              | 055         | 10  | 4,775  | 140        |            | 745  | 203          | 4                | 812             | )<br>); | *               | 1 gg            | 88           | *               | . 880        |
| 18     |         | Wheat.               | 1,350       | #   | 0,251  | Ħ          | 4,         | 513  | 83           | =                | 374             |         | ***             |                 |              | ,               | Fi           |
| 15     |         | Total.               | 770         | <u> </u>  | :  | :          | ;          | !  | 10,003       | :                | <u>:</u>        | 2       | :               | :               | 41,619       | :               | ;            |
| 2      |         | ()thers.             | 12          | :   | !  |            | :          | ,  | 43           | !                | :               | 122     | :               | <u>. :</u>      | 8            | :               | :            |
|        |         | Carrols.             | :           |   | <u>                                     </u> | <u> </u>   | <u>} :</u> | :  | :            | <u> </u>         | ;               | ] :     | :               | !               | : .          | :               | ;            |
|        |         | Vegetables.          | :           | ;   | :  | :          | :          | ;  | -            | :                | ;               | :       | :               | i               | ਲ<br>-       | :               | :            |
| #      |         | Tobacco.             | 1           | :   | i  | :          | :          | :  | <u>:</u>     | :                | :               | :       | £               | :               | 55           | :               | <u>:</u>     |
| =<br>= |         | Suzarcane            | :           | ;   | :  |            | :          | :  | 1            | :                | :               | :       | :               | :               | ;            | ;               | :            |
|        | Кплите. | .1;1.                | 83          | <del> </del>                                      | ő  | :          | :          | :  | 1,833        | 61               | 3,660           |         |                 | 13              | 5,176        | 6.1             | 10,353       |
| 8      | Ka      | Gawar charrl         | 9           | :   | :  | :          | :          | <u>                                     </u> | 513          | :                | :               |         | :               | !               | 2,111        | :               | !            |
|        |         | Starina.             |             | 22  | 1 E E  | :          | :          | :  | 90           | 12               | 433             | :       | :               | :               | 3,017        | ;               | 1000         |
| -      |         | -Saize.              | :           | :   | :  | <u> </u> : | :          | :  | :            | ;                | :               | ;       | :               | :               | :            | 23              | !            |
| 10     |         | Janat.               | 8           | , <u>"</u>  | Ë  | <u>  :</u> | :          | ;  | 1,394        | ۳<br>            | £,;0\$          | τ.      | ະ               | , 12            | 5,910        | ដ               | 14,519       |
| L      | 1       | Balta.               | 165:        | 7   | <u> </u>                                     | ] :        | :          | :  | 29,79        |                  | 15,163          | gs.     | <b>87</b>       | 223             | 23,178       | ត               | 57,015       |
| °      |         | Cotton.              | 8           |   | 8  | ;          | :          | :  | 190          | E3               | 1,922           | :       | :               | i               | 1,501        | e,              | 3,602        |
| ~      |         | Defails.             | Arca        | Nate  | Produce                                      | Area       | Rate       | Produce                                      | Area         | Rato             | Produce         | Area'   | Rato            | Produce         | Arca         | Rate            | Froduce      |
|        |         | Roils.               |             | Estraba present together with forrest chabl and 4 |  |            | . Ebatil   |  |              | , Former Salenda |                 |         | Falraba Barield |                 |              | Barani          |              |

| XC | 1 | x |
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|          | • •          | *       |        | _        |  |  | ,       | 1        | ,                      |          |                     | 30 <sub>0</sub> |
|----------|--------------|---------|--------|----------|--|--|---------|----------|------------------------|----------|---------------------|-----------------|
| 8,154    | i.           | :       | 89,849 | 1        | :  | ŧ  | ī       | 4,42,320 | 22,106                 | 426,210  | Others.<br>3,15,251 | 1,07,830        |
| 338      | ŧ            | . :     | 19,681 | :        | • :  | : -  | i       | 167,725  | ī                      | :        | Chahl.              | 1,0             |
| . 28     | :            | :       | 1,089  | :        | 7.4  | :  | 1,615   | 10,160   | :                      | :        |                     | i i             |
| :        | :            | :       | 8 .    | :        | :  | 91   | :       | · ·      | i                      | i        |                     |                 |
| :        | :            | :       | 2,108  | :        | . &  | :  | 2,080   | 21,960   | i                      | i.       | ,                   | State share     |
| :        | :            | ;       | 88     | i        | 4  | 1  | 88      | 1,008    | i                      | ı        |                     | :               |
| :        | :            | :       | 85     | :        | တ  | 1  | 83      | 2,160    | :                      |          |                     |                 |
| 247      | 1            | 217     | 2,052  | 3,376    | 808  | 101  | 2,007   | 8,300    | ŧ                      | <u> </u> |                     | :               |
| · :      | i            | ï       | 1,008  | 6,397    | 424  | ŧ  | 5,9:13  | 6,143    | :                      | :        |                     | :               |
| :        | :            | :       | 201    | 1,183    | 105  | ;  | 1,078   | 1,959    | 1                      | :        |                     | :               |
| 13       | RI           | 20      | 770    | 3,249    | 311  | ŧ  | 2,038   | 3,917    | :                      | ;        |                     | :               |
| 98       |              | 96      | 3,158  | 12,678   | 1,220  | ; ·  | 11,458  | 15,277   | ÷                      | :        |                     | :               |
| ,<br>18  | ေ            | 48      | 4,953  | 34,605   | 1,708  | 1,734  | 31,593  | 42,121   | ;                      | ;        |                     | :               |
| थ्       | - 5          | ဗ       | 3,4:0  | 21,633   | 1,271  | :  | 20,365  | 39,721   | ŧ                      | ı        |                     | :               |
| 7,819    | :            | . :     | 00,427 | :        | i  | i  | ÷       | 284,601  | :                      | i        |                     | ŧ               |
| 19       | :            | :       | 470    | i        | 46   | :  | 431     | 4,310    | i                      | :        |                     | :               |
| :        | 7            |         |        | :        | i  | . 1  | :       | :        | :                      | i i      |                     | ŧ               |
| 1        |              | :       | 106    | · :      | 10   | ŧ  | 96      | 1,163    | , ;                    | :        |                     | :               |
| <b>.</b> | :            | :       | 103    | i        | 16   | :  | 146     | 4,380    | ' :                    | :        |                     |                 |
| :        | :            | :       | 35     | ;        | *  | :  | £ .     | 020      | :                      | :        |                     | :               |
| 1,617    | cı           | 3,234   | 1,053  | 18,361   | 1,839  | :  | 10,525  | 160'091  | i                      | ;        |                     | :               |
| 361      | ÷            | :       | 3,705  | :        | :  | 3,705  | :       | i        | :                      | :        |                     | :               |
| 1,712    | #            | 2,569   | 5,055  | 0,401    | 010  | 2,331  | 6,113   | 0,781    | :                      | :        |                     | :               |
| :        | :            | ı       | . :    | :        | :  | •  | ;       | :        | ;                      | :        |                     | :               |
| 187      | 23.          | 404     | 7,910  | 21,173   | 2,117  | i  | 18,054  | 26,408   | :                      | !        |                     | <u>.</u>        |
| 3,763    | 61           | 7, 101  | 38,520 | 1,06,733 | 10,073   | i  | 60,029  | 1,47.783 | :                      | 7        |                     | :               |
| 33       | ==           | 317     | 4,300  | 0, 105   | 919  | i  | 8,510   | 31,076   | i                      |          |                     |                 |
| Area     | Rato         | Produce | Area   | Produce  | ŧ  | i  | :       | ŧ        | •                      | :        |                     | :               |
|          | - Bur Barani |         |        | Total    | Deduction of 10 per cent, on Kharif crops 4 per reut, on Rabl, Coffah, Chall Saurab, nud Khatili, and 10 per cent, of tho others on account of crops failed. | Folder deductions—carrots and gravar charri whole, on birley and earron 5 per cent, on mastun 25 per cent. | Balance | Price    | Menials dus 5 per cent | Balance  |                     | Total           |

Statement showing Produce Estimate of Tahsil Biyana.

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Statement showing Produce Estimate Taksil of Biyana.

| 59       | {      | .egors fished to falal' | 38,401     | :               |          | 12,260 | :        | :        | 2,709      | :             | : [     | 2,003 | . [      |           | 215      | :            | :       |
|----------|--------|-------------------------|------------|-----------------|----------|--------|----------|----------|------------|---------------|---------|-------|----------|-----------|----------|--------------|---------|
| 8        |        | Trotal.                 | 25,016     | 1               | :        | 16     | ī        | :        | 330        | :             | -       | 2,835 | ;        | ;         | ;        | ;            | -       |
| 13       | ľ      | Others.                 | 180        | Ra. 10<br>P. b. | :        | :      | ;        |          | <u> </u>   | :             | :       | 80    | -        | :         | :        | ;            |         |
| 25       |        | Carrola.                | 147        | :               | :        | :      | :        | :        | :          | :             |         | 19    | <u>;</u> | :         | ;        | ;            |         |
| 12       |        | Zira (eumin seeds).     | 3,095      | Re. 15<br>P. b. | :        | :      | :        | ;        | :          | :             | :       | 22    | :        | !         | :        | :            |         |
| ñ        |        | Vegetanbles.            | 170        | Ra. 12          | <u>.</u> | :      | :        | :        | :          | :             | :       | 13    | :        | :         | :        | ;            |         |
| ន        |        | Tobacco.                | 0.2<br>0.2 | Rs. 30<br>P. b. | :        | :      | :        | :        | :          | :             | :       | 10    | :        |           | :        | :            | :       |
| 21       | ני     | Poppy.                  | 23         | 22              | :        | i      | :        | :        | :          |               | :       | •     | :        | :         | :        | <del>-</del> | ı       |
| 7        | RABL.  | Sarson.                 | 233        | 61              | 1,678    | 9      | =        | \$2      | <b>6</b> 2 | -             | #       | 211   | 61       | 23.5      | 1        | ;            | ·       |
|          |        | Gojra.                  | 023        | 20              | 202,3    | i      | :        | i        | ;          | :             | :       | 284   | 88       | 2, \$11.5 | :        | ;            | 1       |
| 19       |        | Cochut.                 | 12         | 80              | 136      | ;      | :        | 1        |            | ;             | ;       | :     | ;        | :         | ·        | ;            | :       |
| 18       |        | .10/41                  | ຊ          | 88              | 217      | :      | ;        | ;        | "          | င             | 0       | 89    | G        | 522       | :        | :            | 1       |
| 71       |        | Gram and peas.          | 169        | 1               | 1,113    | :      | :        | 1        | 258        | , n           | 177     | 137   | F.       | 1,628     | ÷        | :            | ı,      |
| 10       |        | Darley.                 | 12,518     | 1 66            | 1,06,403 | ;      | :        | :        | ន          | =             | 119     | 3,10  | i i      | 12,100    | :        | :            | i       |
| 12       |        | Whent,                  | 6,001      | F.              | 52,203   | ;      | !        | 1        | = .        | 4             | 12      | 1,015 | 8        | 9,013     | :        | ÷            | i       |
| <u>-</u> |        | Total.                  | 13,075     |                 |          | 12,241 | ;        | <u> </u> | 7,309      | ;             | ;       | 104   | 1        | !         | 214      | i            | ;       |
| <u> </u> |        | Others.                 | 10         | Ra. 10<br>P. b  | ;        | 1 5    | :        | ;        | 8          | ;             | :       | :     | :        | :         | °        | :            | :       |
| =        |        | Vegetables carrots.     | ĕ          | Rs. 12<br>P. b. | :        | g      | :        | ;        | 18         | :             | :       | l =   | :        | :         |          | ;            | 1       |
| Ħ        | -      | Tobacco.                | 123        | 14.30<br>P. b.  | ;        | ;      | ;        | :        | :          | i             | :       | -     | ·        | :         | :        | 1.           | 1       |
| 10       |        | Sugarcane.              | 18         | R4. 36          | :        | ;      | :        | :        | :          | :             | :       | :     | :        | :         | :        | :            | ;       |
| G        |        | ,iiT                    | 204        | i ii            |          | 7 2    | 64       | 113      | 228        | *1            | 450     | :     | :        | :         | :        | :            | :       |
| 80       | Kuant. | Gawar Charrle           | 98         | ;               | :        | 421    | :        | :        | 600        | :             | :       | :     | ;        | :         | C        | :            | i       |
|          |        | .ealasl                 | 253        | क्ष             | 633      | 161    | 23       | 403      | 429        | 12.           | 1,303   | ~     | 12       | 01        | 7        | \$2          | 10      |
| 9        | -      | .02120                  | 201        | °               | 1,704    |        | ;        | :        | 20         | "             | ğ       | 7     |          | 18        | :        | i            | :       |
| ı,       |        | Jawat.                  | 103        | 4               | 773      | ខ្ល    | 7        | 1,010    | 707        |               | 3,189   | :     | :        | :         | 23       | F.           | 15      |
| *        |        | •arie8                  | 925        | 100             | 2,850    | 10,629 | *        | 42,110   | 3,038      | "             | 15,002  | 8     | 100      | 100       | . E      |              | 999     |
| 3        |        | vaotto                  | 1 =        | 31              | 37,830   | 733    | "        | 1,470    | 1,103      | 61            | 2,216   | 5     | £5       | 12.       | 91       | 23           | 8.      |
| 63       |        | Details.                | Ares       | Rato            | Produce  | Агса   | Rate     | Produce  | Area       | Rate          | Produce | Атса  | Rato     | Produce   | Area     | Rate         | Produce |
|          | ·      | Bolls,                  |            | -bote2i         |          | TZZIZE | .bateali |          |            | TERE          |         |       | Pajeq.   |           |          | baingiril    | ·       |
|          |        | ୍ର <b>ପ</b>             |            |                 |          |        | ır       | CHY      |            | - <del></del> |         |       | .1X      | SEEE Y    | eteitg 1 | CHAR         | -       |

в—55

APPENDIX D.—contd.

Statement showing Produce Estimate Taksil of Biyana-contd.

| £  |         | -egors alod to fart-T | 15,073   | .  | :             | 683  | :       | i          | 3,692 | :              | :        | 1,927 | ı              | i       | 62,550 | i .    | :             |
|--|---------|-----------------------|----------|--|---------------|--|---------|------------|-------|----------------|----------|-------|----------------|---------|--------|--------|---------------|
| 55   |         | Total                 | 10,953   | :  | :             | 080  |         | :          | 176   | ·:             | ፥        | 470   | :              | :       | 1,160  | :      | :             |
| 27   |         | Оґрета•               | 20       | :  | :             | :  | ;       | :          | :     | :              | i        | ;     | 1              | ;       | · 1    | :      | :             |
| 02   |         | Carrots.              | 2        | :  | :             | :  | :       | :          | :     | :              | :        | :     | :              | :       | :      | ,      | :             |
| 13   |         | Zira, (cumin sceds).  | 27       | i  | :             | 12   | :       | ٠ :        | i     | :              | i        | ;     | ] :            | :       | :      | :      | i             |
| =  |         | Vcgetables.           | 163      | :  | 1             | 13   |         | i          |       | :              | :        | 11    | ;              | ;       | ဗ္ဗ    | :      | :             |
| 83   |         | Tobacco.              | :        | i  | :             | ·  | :       | :          | :     | i              | :        | :     | :              | :       | :      | :      | :             |
| ន  | ی       | Poppy.                | :        | :  | ;             | :  | :       | ÷          | ÷     | ;              | :        | :     | :              | :       | :      | ;      | :             |
| 티  | Rant.   | Sarson.               | 9:0      | 61   | 1,212         | 0  | 63      | 12         | SS    | 63             | 53       | 30    | F1             | 8       | 13     | 11     | 98            |
| 50   |         | Golra.                | 429      | 10   | 2,135         | O  | 2       | 80         | :     | :              | :        | :     | :              | :       | :      | :      | 1,            |
| ន  |         | Goebni.               | 401      | ۵  | 2,005         | i  | :       | :          | -     | 3              | °        | :     | :              | :       | 9      | ۳<br>ا |               |
| 85   |         | Bejar.                | 1,708    | LS.  | 8,840         | :  | :       | :          | 15    | e e            | 45       | 27    | ri ri          | 18      | 33     | 8      | S             |
| 12   |         | Gram and peas.        | 2,633    | 13   | 13,160        | 15   | 19      | 25         | 16    | ਵਿੱ            | 318      | 7.5   | E              | 263     | 1,157  | , m    | 3.471         |
| 16   |         | Barley.               | 2,505    | 1.5  | 12,533        | 225  | 8       | 1,800      | 43    | 4              | 172      | 119   | *              | 530     | 168    | 45     | 673           |
| 21   |         | Wheat.                | €, 330   | T.   | 10,525        | 325  | 9       | 1,950      | 19    | 49             | 029      | 213   | 4.             | 852     | !      | :      | :             |
| =  |         | -[nioT                | 4,11.4   | :  | :             | <u>                                     </u> | :       | :          | 3,516 |                | ·        | 1,451 | :              | :       | 01,070 | :      | 1             |
| 13   |         | Others.               | 1        | !  | !             | :  | :       | !          | 12    | !              | :        | 9     | :              | :       | 360    | :      | 1.            |
| 11   |         | Vegetables carrots.   | ,        | :  |               | :  | :       | :          | ;     | :              | :        | :     | :              | ŀ       | 02     | :      | <u> </u>      |
| 11   |         | Tobacco.              | :        | :  | :             | :  |         | :          | ;     | <u> </u>       | :        | :     | :              | :       | 1      | :      | i             |
| 10   |         | *euroivSag            | 1        | <u>  :</u>   | ;             | !  | ;       | ;          |       | ;              | :        | ;     | :              | :       | :      | :      | i             |
| 0  | Entair. | Til.                  | <u> </u> | fi   | 15            | :  | i       | :          | 156   | 61             | 330      | R     | 2              |         | 2,123  | "      | 4,258         |
| 60   | N N     | Javat ebattle         |          | <u>:</u>   | :             | !  | ;       | :          | 410   | ;              | :        | =     | :              | :       | 5,338  |        | :             |
| -  | _       | Jasina.               | <u> </u> | #  | 10,65         | <u>  :</u>                                   | :       | <u> </u> : | 883   | 1 67           | 2,205    | 27.0  | 22             | 603     | 12,671 | #      | 11,200        |
| -  | _       | -ozielč               | <u> </u> | <u> </u>   | 1 2           | :  | :       | :          | :     | :              | <u> </u> | :     | ;              | :       | 6      | e e    | 201           |
| ۵ ــــــــــــــــــــــــــــــــــــ   | _       | 32772.                | <u> </u> | 1 2  | 1,701         | <u> </u>                                     | 1       | :          | ត្ត   | 100            | 8        | 65%   | "              | 1,317   | 5,827  | က      | 52,832 17,191 |
| -  | -       | Jajia.                | 1        | #7   | 8,378         | <u>  :</u>                                   | :       | :          | 1,670 | 4              | 7,515    | 8     | , m            | 1.815   | 20,410 | E      |               |
| -  | _       | , teotion,            | [ [ [ ]  | <u>  "</u><br>   | g<br> <br>  : |  | :       | :          | 156   | ##<br>         | 88       | 0     | 61             | Ħ.      | 1,162  | 23     | 2,301         |
| -  |         | Details,              | Area     | Rato   | Produce       | Ares   | Rate    | Produce    | Arres | Rato .         | Produce  | Area  | Rate           | Produce | Area   | Kato   | Produce       |
| The state of the s |         | Polls.                |          | Salrahy present together with former Chabi and Salraba |               |  | Xtailli |            |       | Former Balenba |          |       | Salraba Baraui |         |        | Reradi |               |

| 10 14,678 | :           | :       | 1,60,313 | .            | •  | :   | :        | 1,20,853 0,03,162 | 45,150                   | 8,58,003 | Chahl. Others. | State share   1,01,774   1,06,672 | 2,68,510          |
|-----------|-------------|---------|----------|--------------|--|---|----------|-------------------|--------------------------|----------|----------------|-----------------------------------|-------------------|
| ;         | , 1 4       | ·:      | 1 42,515 | -            | :  |   | :        |                   | -                        | :        | Chahl.         | . 1,01.7                          | <u>ا</u>          |
|           | . :         | - :     | 251      | :            | 10   |   | 202      | 2,650             | :                        | :        |                | l<br>Bhare                        | Total State share |
|           | :           | 1       | 170      | :            |  | . 170   | :        | :                 | :                        | ·        |                | Btate                             | Total St          |
| :         | ;           | i       | 4,083    | : }          | 165  |   | 3,018    | 68,770            | :                        | :        |                |                                   |                   |
| ÷         | ÷           | :       | 441      | :            | 33   | :   | 413      | 4,04              | :                        | :        |                |                                   |                   |
| :         | ÷           | :       | 215      | : 1          | G  | ;   | 205      | 6,150             | :                        | :        |                |                                   |                   |
|           | :           | -<br>:  | 8        | :            | 1  | •   | 28       | 260               | :                        | :        |                |                                   |                   |
| 01        | 1           | 10      | 1,465    | 2,850        | 203  | 143   | 2,611    | 7,183             | :                        | :        |                | <del></del>                       |                   |
| -, :      | ;           | ;       | 1,380    | 9,886        | 624  | :   | 0,363    | 11,103            | :                        | ;        |                |                                   |                   |
|           | ÷           | :       | 425      | 2,150        | 207  | i   | 1,052    | 3,003             | :                        | i        |                |                                   |                   |
| :         | :           | :       | 1,039    | 9,810        | 938  | :   | 8,002    | 11,860            | :                        | :        |                |                                   |                   |
| 1         | , ;         | ;       | 4,481    | 20,049       | 1,815  | :   | 18,173   | 24,231            | i                        | i        |                |                                   | <del></del>       |
| i         | ;           | :       | 16,711   | 1,34,397     | 915'0  | 6,718   | 1,21,421 | 1,56,672          | :                        | :        | !<br>!         |                                   |                   |
| :         | :           | :       | 10,580   | 75,311       | 3,700  | ŧ   | 71,035   | 13,418            | :                        |          | 1              | **                                |                   |
| 14,008    | ;           | :       | 1,70,825 | :            |  | Ì   | :        | 1,76,270          | :                        | :        |                |                                   |                   |
| 25        | ;           | :       | 1,007    | :            | 101  | :   | 900      | 0,000             | i                        | :        |                |                                   |                   |
| :         | :           | :       | Se Se    | :            | 30   | ì   | 273      | 3,276             | :                        |          |                |                                   |                   |
| :         | :           | :       | E        | :            | 10   | i   | 139      | 1,410             | ;                        | :        |                |                                   |                   |
| 1         | :           | ;       | 18       |              | , हा   | :   | 16       | 480               |                          |          |                |                                   |                   |
| . 69      | 173         | 908     | 3,380    | 0,013        | <b>F</b> 00  | :   | 0,210    | 22,721            | '                        | :        |                |                                   |                   |
| 020       | :           | ;       | 7,085    | :            | :  | 7,085   | :        | :                 |                          | :        |                |                                   |                   |
| 8,510     | #           | 10,615  | 30,003   | 910,10       | 6,102  | 0,259   | 40,438   | 71,555            | ;                        | :        |                |                                   |                   |
| :         | <u> </u>    | ;       | 410      | 2,207        | 230  | :   | 2,067    | 2,756             | :                        | :        |                |                                   |                   |
| 230       | 1 *         | 253     | 8,689    | 20,003       | 2,690  | :   | 25,212   | 33,282            | :                        | :        |                |                                   |                   |
| 4,695     | =           | 2,0,7   | 102,03   | 1,39,220     | 13,033   | 1   | 1,25,303 | 1,65,031          | :                        | :        |                |                                   |                   |
| 20.       | =           | 138     | 15,301   | 41,072       | 4,107  | :   | 40,473   | 1,47,182 1,85,034 | :                        | :        |                |                                   |                   |
| Area      | Bate        | Produce | Area     | Produce      | •  | 1   | :        |                   |                          | :        |                |                                   |                   |
| <u> </u>  | 1 ==        |         |          | <del>;</del> | er cent. on or cert. on sairaba and por cent. on   | on carrots I whoic, on S per cent.  |          | :                 | cent                     | :        |                |                                   |                   |
|           | Dhur Baraui | •       |          | Total        | Deduction of 10 per cent. on klarif crops, 4 per cent. on rabi-chali, rabi sairabs and Kintili and 10 per cent. on others. | Fodder deduction—on enrots and gaves chart whole, on havey and rarson 5 per cent., on masina 15 per cent. | Dalanco  | Prico             | Menial's due 5 per cent. | Dalauce  |                |                                   |                   |

. It includes 23 bigha Baranl, Bejra at 21 mounds rate.

APPENDIX D-contd.

Statement showing Produce Estimate of Taksil Oochain-contd.

| ន  |        | Bukauks.             |        |   |         |          | •        |         |            |                |         |      |                 |         |        |            |         |
|--|--------|----------------------|--------|---|---------|----------|----------|---------|------------|----------------|---------|------|-----------------|---------|--------|------------|---------|
| 23   |        | Total of both crops. | 37,721 | :   | :       | 200      | :        | :       | 11,501     | :              | :       | 487  | :               | :       | 42,217 | i          | :       |
| 13   |        | .laloT               | 27,150 | :   | :       | 203      | :        | :       | 165        | :              | :       | 118  | :               | :       | 1,100  | :          | ·       |
| 8  |        | Огрега•              | *      | :   | :       | <u> </u> | :        |         | 8          | :              | :       | :    | ;               | i       | 10     | i          | :       |
| rs   |        | Carrots.             | ů      | :   | :       | :        | ·        | ÷       | :          | i              | :       | i    | ī               | :       | :      | :          | :       |
| 7  |        | .!boos nimno) eriZ   | 27.1   | :   | 1       | :        | :        | :       | :          | :              | i       | :    | ;               | ;       | /:     | ;          | :       |
| 23   |        | Vegi tables.         |        | :   | :       | :        | :        | :       | :          | :              | :       | · ;  | ;               | :       | :      | :          | :       |
| ឡ  |        | Tobacco.             | :      | :   | :       | i        | :        | :       | ı          | í              | :       | :    | ;               | :       | :      | :          | :       |
| ដ  | Rant.  | , noreal             | 1,587  | 63  | 3,174   | 0        | 61       | 18      | 5          | eı             | 128     | H,   | 100             | 63      | 99     | =          | 18      |
| 20   |        | .critoĐ              | 2,060  | 9   | 10,315  | 2        | ۵        | 03      | :          | :              | :       | ۳.   | 8               | C       | :      | :          | :       |
| CI CI  |        | •ladəofi             | 3,051  | ю   | 15,255  | 4        | :        | :       | 1          | :              | ;       | :    | :               | :       | 2      | ဗ          | 237     |
| 18   |        | Bejar.               | 7,311  | 15  | 36,570  | 77       | 12       | 120     | 4          | e e            | 12      | :    | :               | :       | 8      | E.         | 120     |
| 12   |        | Gram and peas.       | 6,020  | 13  | 25,130  | :        | :        | :       | 7.5        | £              | 203     | 4    | E.              | 144     | 1,009  | m m        | 3,027   |
| 01   |        | Barley.              | 1,00,6 | 10  | 14,855  | 138      | 120      | ) g,    | ₹          | 7              | 18      | n    | 4               | 251     | 15     | 7          | 20      |
| 15   |        | Wheat.               | 1,655  | =   | 20,918  | 66       | 4,       | 330     | :          | :              | :       | e1   | É               | ^       | :      | ;          | 1.      |
| =  |        | Total.               | 10,544 | ;   | :       | :        | :        | 1       | 14,316     | :              | .:      | 360  | :               | :       | 41,018 |            | :       |
| E  |        | Others.              | 31     | :   | :       | :        | :        | :       | 18         | :              | :       | ŕ    | i               | :       | 137    | :          | i       |
| E  |        | Vegetables carrois.  | 33     | ;   | :       | :        | 1        | ;       | 10         | ;              | 1.      | -:   | :               | :       | :      | ;          | . :     |
| ä  |        | Tobacco.             | 1      | :   | 1,600   | [ :      | :        | :       | ;          | :              | :       | . ;  | ;               | i.      |        | :          | :,      |
| 10   |        | Sugarcene.           | :      | :   | :       | :        | :        | :       | ;          | :              | :       | ;    | ;               | :       | :      | :          | :       |
| c  | i      | -tiT                 | 020    | ត   | 1,690   | :        | :        | 1 ;     | 2,700      | 63             | 6, 112  | 16   | 10              | g       | 1,893  | e1<br>,    | 3,706   |
| 8  | Килит. | Gawar chanil.        | 1,52,1 | :   | :       | :        | :        | :       | 1,291      | ;              |         | 8    | :               | :       | 4,560  | :          | :       |
| 10   |        | »rulsulo             | 033    | <del>ត</del>  | 2,333   | :        | :        | :       | 1,150      | ಕ್ಷ            | 3,875   | 81   | 17.             | 203     | 11,512 | स          | 29,855  |
| 0  |        | Maire.               | :      | :   | -;      | :        | :        | :       | Ŀ          | :              | i       | :    | :               | :       | :      |            | :       |
|  |        | Janat.               | 1,123  | "   | 3,300   | :        | ;        | ;       | lie<br>Lie | 6              | 2,733   | *    | 3               | 13      | 5,117  | ဗ          | 16,251  |
| -  |        | Bojra.               | 6,001  | *   | 21,001  | :        | <u> </u> |         | 7,597      | E              | 102,22  | 179  | , °             | 169     | 10,371 | <b>3</b> 2 | 15,023  |
| 6  | _      | Cotton.              | 502    | - 77  | 673     | :        | :        | !       | 565        | f 1            | 1,330   | 88   | 61              | 23      | 1,093  | er .       | 2,100   |
| , r  |        | Details.             | Arra   | Rato  | Produce | Arra     | Rate     | Produce | Area       | Rate           | Produce | Area | Rate            | Produce | Area   | Rate       | Produce |
| A second contract of the second contract of t |        | R. U.A.              |        | Safesha present together with<br>fremos Chalif and Latenbas |         |          | Khattill |         |            | Furner Safrabs |         |      | Seiraba Barishi |         |        | Darsol     |         |

|               | ı           |         |          | `        | •   |  |          |                   |              |          |  |
|---------------|-------------|---------|----------|----------|---|--|----------|-------------------|--------------|----------|--|
| 2,802         | 1           | :       | 1,33,140 | :        |   | =  | :        | 7,78,473          | 38,923       | 7,59,550 | 1  |
|               | :           | ] :     | 50,920   | :        | :   | 1  | :        | 1,46,748          | :            | :        | Chahi Others, 2,77,913 i,01,707 61,743 1,23,122 1,34,865 |
| :             | 7           | :       | -213     | :        | 15  | :  | 199      | 1,960             | :            | :        | Chahi Others, 2,77,913 i,e1,707 01,743 1,23,122 1,23,123 |
| :             | :           | :       | 11       | :        | i   | # .  | :        | :                 | :            | :        | •haro  |
|               | :           | :       | 1,730    | ;        | 11  | :  | 1,663    | 21,803            | :            | :        | State chare  |
| ŧ             | :           | :       | 331      | :        | e e   | :  | 303      | 3,624             | :            | :        | 1 2  |
| Ē.            | :           | :       | 250      | :        | 10  |  | 240      | 7,200             | i            | :        | :  |
| 1             | :           | :       | 2,208    | 4,544    | 986   | 228  | 3,930    | 11,220            | ;            | :        | i '  |
| 1             | :           | :       | 3,177    | 19,645   | 1,407   | •  | 19,239   | 28,959            | :            | ;        | ;  |
| :             | :           | :       | 3,130    | 15,510   | 1,661   | :  | 13,059   | 21,521            | 1            | :        | Ē.   |
| , 1           | :           |         | 7,661    | 39,331   | 3,736   | !  | 34,505   | 46,127            | :            | 3        | ;  |
|               | 41          | 14      | 0,415    | 20,829   | 2,933   | 1  | 26,996   | 35,961            | 1            | ÷        | :  |
|               |             | 1       | 14,059   | 1,18,413 | 5,661   | 5,920  | 1,96,833 | 1,42,441          | :            | ÷        | :  |
| :             | :           | :       | 177,01   | 690"60   | 4,020   | :  | 65,018   | 3,31,725 1,23,991 | 1            | 1        |  |
| 2,905         | 7:          | į       | 82,220   | :        | i   | :  | :        | 3,31,725          | 1            | ÷        | ŧ  |
| <b>1</b>      | :           | :       | 527      | :        | ន   | 1  | 1.25     | 6,740             | :            | :        | ;  |
| :             | :           |         | 278      | ;        | 26  | 13   | 233      | 2,706             | :            | 2        | ŧ  |
| :             | :           | :       | 41       | 1        | 4   | i  | 32       | 1,110             | ŧ            | :        | :  |
| ¥             | :           | ī       | 160      | :        | 10  | :  | 145      | 2,980             | 1            | ;        |  |
| 114           | eq.         | 228     | 6,991    | 12,384   | 1,238   | :  | 11,146   | 40,531            | ;            | :        | 1  |
| 111           | ŧ           | :       | 8.413    | :        | :   | 8,413  | :        | :                 | :            |          | :  |
| 1,437         | # .         | 2,166   | 16,730   | 37,014   | 3,703   | 9,479  | 25,844   | 39,430            | .            | :        | ŧ  |
| :<br>         | :           | :       | :        | :        | :   | ŧ  | i        | :                 | :            |          | :  |
| 80            | 23          | 8       | 9,183    | 25,274   | 3,527   | :  | 22,747   | 30,329            | :            | -        |  |
| 1,195         | ŧ           | 2,988   | 32,004   | 1,22,008 | 12,201  | ŧ  | 109,807  | 1,08,931          | -            | :        | :  |
| - <del></del> | #           | 88      | 4,924    | 12,520   | 1,253   | i  | 11,268   | 40,975            | :            | ;        | i  |
| . 43          | to          | Prodoce | 8        | Prodoce  | rif erops<br>raba and   | ar cherriper ceot.   | :        | i                 | -            | :        | •  |
| Area          | Bato        | =       | Area     |          | on Khai<br>habi Est<br>n others,  | eod gam<br>arson 5   | 1        | =                 | :            | :        | :  |
| •             | <b>š</b>    |         |          | ·        | Per ceat.<br>Rabi—C   | carrots<br>ey and S  | ;        | ŧ.                | i            | :        | •  |
| 1             |             | ,       |          |          | Deduction of 10 per ceat, on Khaili crops<br>4 per ceot, on Habi-Chabi Estraba and<br>khajili aod 10 per, ceot on others, | Folder deduction-carrots sod gawar cherri<br>whole, on harley and Saron 6 per ceot,<br>on Madua 15 per cent, |          | 1                 | qoe          | :        | Total  |
| •             | Bhur Baraul |         | Total    |          | Deductio  | Fodder d<br>whole,<br>on Mas.  | Baloce   | Prico             | Menial's dos | Balace   | -56  |

Appendix D.

Statement showing Producs estimate of Tahsil Oochain.

| દ                          |        | ווסאנאזענע וויסאנאזענע |                             | •Per bighs.         |  |          |                |            |          |  |   |          |            |         |               |             | ٠          |
|----------------------------|--------|------------------------|-----------------------------|---------------------|--|----------|----------------|------------|----------|--|---|----------|------------|---------|---------------|-------------|------------|
| 23                         |        | Total of Solh crogs.   | 27,513                      | :                   | .:   | 3,207    | :              | :          | 6,763    | :                                      | :                                       | 6,913    | :          | :       | 603           | : '         | ī          |
| 12                         | Ì      | Total.                 | 15,333                      | :                   |  |          | :              | :          | 233      | ·:                                     | :                                       | 6,473    | :          | i       | :             | :           | :          |
| <br>22                     |        | Others.                | 105                         | Rs. 10•             | :  | :        | :              | £          | `-       | ı.                                     | :                                       | 61       | i          | ·       | :             | :           | :          |
| £                          |        | Carrola,               | ន                           | ;                   | ī  | :        | E              | :          | :        | :                                      | :                                       | 2.5      | :          | ÷       | :             | :           | :          |
| 2.5                        |        | Nira (Cumin seed).     | 1,365                       | Ra. 15•             | i  | :        | :              | :          | ī        | :                                      | ;                                       | 219      | :          | :       | :             | :           | :          |
| ឌ                          |        | Vegetables.            | 12                          | Rs, 120             | 8  | ;        | :              | :          | :        | :                                      | i                                       | 40       | ì          | :       | :             | :           | :          |
| 81                         | }      | Tabacco.               | 22.1                        | Rs. 30°             | :  | :        | i              | :          | :        | :                                      | :                                       | 20       | :          | :       | :             | :           | :          |
| 8                          | Bank.  | Garson,                | ္မွ                         | 61                  | 632  | :        | :              | :          | 2.5      | 1                                      | ਜ਼<br>                                  | ថ្ល      | 63         | 683     | 1             | ;           | 1          |
| 05                         |        | រត <b>់</b> [០៦        | 8                           | 60                  | 4,708  | :        | :              | :          | 6        | ဗ                                      | 8                                       | 490      | 6          | 195'5   | ;             | :           | :          |
| OI                         |        | Judoob                 | 1                           | :                   | :  | :        | :              | :          | :        | :                                      | :                                       | 9        | 8          | 48      | <u> </u>      | :           | :          |
| 18                         |        | Belar.                 | 8                           | 18                  | 783  | :        | :              | ]          | 10       | 8                                      | 48                                      | 83       | 158        | 700     | :             | :           | :          |
| 12                         |        | 31.2m and pease.       | 47                          | 7                   | 320  | :        | :              | :          | 137      | 8                                      | 613                                     | 23       | t-         | 511     | :             | :           | :          |
| 10                         |        | Barley.                | 8,042                       | £8                  | 70,857   |          | :              | :          | 23       | 43                                     | 231                                     | 3,635    | ď          | 25,508  |               | :           | :          |
| 15                         |        | Vheat.                 | 3,136                       | 7.5                 | 20,320   | :        |                | :          | en .     | 43                                     | C                                       | 2,528    | 8          | 21,138  | :             | :           | :          |
| 11                         |        | fesol.                 | 2,216                       | :                   | :  | 3,207    | :              | :          | 6,558    | :                                      | :                                       | 410      | :          | ı       | 503           | :           | ;          |
| 13                         |        | )thers.                | 140                         | Ra, 16*             | :  | 69       | :              | :          | 8        | :                                      | :                                       | <u>8</u> | :          | :       | 4             | 3           | 3          |
| 13                         |        | regtables carrots.     | , E                         | Пэ. 12•             | :  | -        | ;              | :          | 60       | :                                      | :                                       | 83       | :,         | :       | 17            | :           | į          |
| Ħ                          |        | •oporqoj               | .   <del>=</del>            | R.s. 30*            | :  | :        | :              | <u> </u>   | :        | :                                      | :                                       | :        | :          | :       | :             | E           | i          |
| og .                       |        | *0utjir0*              |                             | Ra. 20*             | :  | ;        | :              | :          | :        | :                                      | :                                       | 103      | :          | :       | :             | ÷           |            |
| 0                          | ž.     | 713                    | _!                          | **                  | 🖁  | ĝ,       | 61             | 166<br>160 | 429      | ñ                                      | 852                                     | 02       | <b>1</b>   | 25      | 13            | 23          | 33         |
| 0                          | Maren. | anzi Chaiil.           | <u> </u>                    | :                   | 1  | E        | :              | :          | 737      | :                                      | ;                                       | -22      | :          | :       | 10            | :           | :          |
| ,                          |        | -asiaa,                |                             | f:                  | ,103   | 27       | 1 8            | 8          | :23      | ************************************** | 1,310                                   | 50       | 2          | 8       |               | *\$°        | e,         |
| -                          |        |                        |                             | :                   | ;  | :        | :              | :          | :        | :                                      |   | :        | ;          | :       | :             | :           | :.         |
| 127                        |        | lucte                  | <u> </u>                    | 1 20                | 2  | 1 2      | 1 *            | - G        | g        | -                                      | 02515                                   |          | *          | "       | :             | :           | :          |
| -                          | _      | •61/2                  | _ļ                          |                     | - EG   | 3 2,703  | 1 0            | 3 10,620   | 12,52    | "                                      | 13,693                                  | 28       |            | 63      | £ £           | ۳           | 1,916      |
| 67                         | -      | , active               | 2 197                       | ·   =               | 6,263  | 8        | "<br>          | 152        | <u> </u> | 1 "                                    | 1,033                                   | . IEG    | 200        | ĝ       | <sup>6</sup>  | 67          | 133<br>133 |
| -                          |        | petalls.               | Area .                      | 1                   |  | Arris .  | Esto           | Produce    | Area     | neto                                   | Produca                                 | Arc3     | Rato       | Freduce | Ares          | Rato        | Produce    |
|                            |        |                        |                             |                     | T. Saled   |          | Valre) 332d. 4 |            |          | ~~~~~                                  | *************************************** |          | Ireigated, |         |               | Valmigated. |            |
| phonesock decision of many |        | £ī                     | F. Det is named Lamon mount | · markey species of | artinolita (p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. 17 p. | Prettink | <b>191</b> 2;  | )          |          | Former.                                |   |          |            |         | Coons scirada |             |            |



Statement showing Produce Estimate of Tahsil Bhusawar.

|                        |  |                |              |         |        |        |         | <del></del> - | Kearly.  |          |            |             |          |         |        | _ |
|------------------------|--|----------------|--------------|---------|--------|--------|---------|---------------|----------|----------|------------|-------------|----------|---------|--------|---|
|                        | Soils,   |                | Details.     | Cotton. | Dafra. | Jawar. | Masina. | Gawar chard.  | TII,     | Tobacco. | Bugarcano. | Vegetables. | Carrots, | Others. | Total. |   |
|                        |  | r              | Area         | 2,7~9   | C1     | 13     | 73      | 13            | 18       | 2        | 21         | Б           | 189      | 3,187   | •••    |   |
| (                      | Chabi .  | -<br> -<br> }- | Ente         | 31      | 5      |        | 21,     |               | 2}       | 30       | 12         | •••         | 10       |         |        | _ |
| <u>;</u>               |  |                | Produce      | 9,761   | 320    | 52     | 182     |               | 45       |          | 253        | •••         | 1,890    |         | •••    | • |
| Chahl present.         |  |                | Λτε <b>2</b> |         | 1,679  | 6      | 13      | 79            | 2        | ,        |            | ***         |          | 1,670   |        | - |
|                        | Baragi .   |                | Rate         |         | -3     | 4      | 1}      | •••           | 2        |          |            |             |          |         |        | • |
| ;<br>}                 |  |                | Produce      |         | 6,316  | 21     | 32      |               | 4        |          |            |             |          |         | ,      |   |
|                        | · Commission Commissio | <br> <br>      | Area         | . 10    | 063    | 175    | 102     | 177           | 17       | •••      | •          |             | 4        | . 1,541 | ***    |   |
| Chahi                  | former   | ٠<br>٢         | Rate         |         | 4      |        | 21      | •••           | 3        |          |            | •••         | 10       |         |        |   |
|                        | ^  | Į              | Produce      | . 32    | 3,852  | 700    | 450     |               | 31       | •••      | •"         |             | 40       |         | •11    |   |
|                        |  |                | Arca         | . 3     |        |        |         |               |          |          |            | ***         | 7        | 10      | •••    | • |
|                        | / Chahi  |                | Rate         | . 31    |        |        |         | •             |          |          |            |             | 10       | •••     | •••    | • |
|                        |  | l              | Produce      | . 10    |        | •••    |         |               |          | •••      |            |             | 70       | ***     | ***    | _ |
|                        | h  |                | Area         |         |        |        |         |               |          |          |            |             |          |         | •••    | • |
|                        | Chabi Salraba  |                | P.ste .      |         |        |        |         |               |          |          |            | ***         | •••      | 444     |        | • |
| eront.                 |  |                | Produce .    |         |        |        |         |               |          |          |            |             |          | •••     | ***    | • |
| Chabi Bairsba precent. |  | 1              | Ares .       |         | 23     | 3      |         | ,             |          | •••      |            |             |          |         |        | • |
| Chabí                  | Enreta   |                | Est:         |         | 4      | 3      |         |               |          |          | <b>4-1</b> | <b></b>     | 411      |         | •      |   |
|                        |  |                | produce      |         | 23:    | 12     |         | 4             |          |          |            |             | ***      | <b></b> |        | • |
|                        |  |                | Atca         |         |        | :      |         |               | •••      | ***      |            |             |          | •••     |        |   |
| l                      | Turni  |                | i Irati      |         |        | 1      |         |               |          |          |            | •••         | ***      | ·,      | •••    |   |
|                        |  |                | [            |         |        |        |         |               | <u> </u> |          |            |             |          |         | •••    | - |

dix D.

Tahsil Bhusawar.

| • |        |         | · · · · · · · · · · · · · · · · · · · |            |         |        | P            | IEI,         | <del></del> | <del></del> | <del> </del> | · · · · · · · · · · · · · · · · · · · |         |         |                   |          |
|---|--------|---------|---------------------------------------|------------|---------|--------|--------------|--------------|-------------|-------------|--------------|---------------------------------------|---------|---------|-------------------|----------|
|   | Wheat, | Barloy. | Gram.                                 | Bejar, .   | Gochni, | Gojra, | Sarson tara, | Tobacco.     | Poppy.      | Zira,       | Vegetables.  | Carrots.                              | Others, | Total.  | Total both crops, | Bamines. |
|   | 1,182  | 2,183   | 4                                     | 15         |         | 67     | 43           | 47           | 137         | <b>51</b> 8 | 15           | 161                                   | 14      | 4,659   |                   |          |
|   | 78     | D       | 7                                     | 8          |         | 8      | 3            | 30           | 20          | 15          | 13           | .,,                                   | 10      | ***     |                   |          |
|   | 8,965  | 19,647  | 28                                    | 120        | •••     | 536    | 68           | 1,410        | 2,740       | 12,270      | 160          |                                       | 140     |         |                   |          |
| ١ |        |         | •                                     | ***        |         |        | ***          | •••          | ***         |             |              |                                       |         |         |                   | •        |
|   |        | ***     |                                       |            |         | .11    | •••          | <b>,</b> ,,, | ··· 、       | 144         |              |                                       | ***     |         | •••               |          |
|   | •••    |         |                                       | •••        | ••      | 411    | •••          | •••          |             | •••         | , ,,         |                                       | ***     |         | <b>,</b> 1        |          |
|   |        | ***     | 2                                     |            | •••     | •••    | ***          |              |             |             |              |                                       |         |         | <b>,,,</b>        |          |
|   | , 606  | •••     | 3                                     | ***        | •••     | 411    | •••          |              |             |             |              |                                       | ***     |         | •••               |          |
|   |        | •••     | . 6                                   |            | ***     | •••    |              |              |             | 144         |              | •••                                   | •••     | ***     | •••               |          |
|   |        |         |                                       |            | •       | •••    | •••          | •••          | •••         |             | 6            |                                       | ***     | 0       | ~-                |          |
|   |        |         |                                       | ,,,,       | 111     | ***    |              | ,            | ***         | ***         | 12           | ***                                   |         |         |                   | ,        |
|   |        |         |                                       | •••        | •••     |        | •            | 4.0          |             | •••         | 72           |                                       | •••     |         |                   |          |
| 7 | 15     | ` 47    |                                       | •••        | •••     | ***    | 2            | G            |             | 11          | 27           |                                       | •••     | 103     | ć                 |          |
|   | 8      | 9       |                                       |            | •••     |        | . 2          | 30           |             | 72          | 12           |                                       |         | ,       |                   |          |
| 1 | 120    | 423     |                                       | •••        |         |        | . 4          | 150          |             | 162         | 321          |                                       |         |         |                   |          |
|   | ***    |         |                                       |            |         |        |              |              |             |             |              |                                       |         |         |                   |          |
| ` | 414    |         |                                       | ,,,        | •••     |        |              | ser          | •••         |             | ,            |                                       | •••     |         |                   |          |
|   |        |         | •••                                   |            | 111     | •••    |              |              |             | 1A          |              |                                       | •••     |         |                   |          |
|   | •••    | ,,,     |                                       | 300        | 111     |        | •••          |              | ***         |             |              | •••                                   |         |         |                   |          |
| * | 111    | 1       | •••                                   | •••        | ****    | ,      | *            | <b>5-1</b>   | ,           |             | 119          |                                       |         |         |                   |          |
|   | en .   |         | ***                                   | <b>3.4</b> | ***     |        | 7-0          |              |             |             |              |                                       | 189     | <b></b> |                   |          |

|            |                     |   |          |                    |                     |                    |                    |               |                  |           |             |             |           |         | <del></del>                                  |
|------------|---------------------|---|----------|--------------------|---------------------|--------------------|--------------------|---------------|------------------|-----------|-------------|-------------|-----------|---------|--|
|            |                     |   |          |                    |                     |                    |                    |               | Kı               | eabiy.    |             |             |           |         |  |
|            | 1                   | Solls.  | Details. | Cotton.            | Najra•              | Јамаг.             | Masina.            | Gawar charri. | Tii.             | Tabacco,  | Sugar-cane. | Vegetables. | Carrols,  | Olhers. | Total,                                       |
|            |                     | [   | Area     | 2                  | 78                  | G                  | 93                 | 41            | 9                | 4.,       |             |             | •         |         | 228  |
|            | Sairab              | a former }  | Rate     | 2                  | 21                  | 3                  | 21                 |               | 2                |           | •••         |             |           | ***     |  |
|            |                     |   | Produce  | 4                  | 105                 | 18                 | 203                |               | 18               |           | ,,,         | ,           |           | •••     |  |
| ľ          |                     | {   | Area     |                    | 47                  | **                 | •••                | 1             |                  |           | ,           | ***         | •         | •••     | 43   |
|            | Bairat              | n Rarishi   | Rute     |                    | 21                  |                    | •••                |               |                  |           |             |             |           |         |  |
|            |                     | Į   | Produce  |                    | 118                 |                    | •••                |               | ***              |           |             |             |           | ***     |  |
|            |                     | [   | Arca     | 11                 | 2,632               | 618                | 3,170              | C11           | 100              |           |             |             | <u></u> . | 9       | 6,931  |
|            | Barar               | a }   | Rate     | 2                  | 21                  | 3                  | 21                 |               |                  | <u></u>   |             | <u></u>     |           | 10      | <u>                                     </u> |
|            |                     |   | Produce  | 22                 | e,330               | 1,554              | 7,925              |               | 200              |           |             |             |           | 60      | ,<br>  |
|            |                     | (   | Arca     |                    | 1,297               | 0                  | 3,095              | 230           | 27               |           |             |             |           |         | 4,593  |
|            | Bhue                |   | Rate     |                    | 2                   |                    | 1]                 | ·             | 11               |           |             |             |           | 10      |  |
| Влеканскан |                     |   | Produce  |                    | 2,454               | 18                 | 4,625              |               | 41               |           |             |             |           | 40      |  |
| BAEZ       | Total               | ,,, <u>"</u> {  | Area     | 2,621              | G,619               | 732                | 6,625              | 1,152         | 173<br>———       | 2         | •••         | 21          | ē         | 313     |  |
|            |                     |   | Produce  | 0,620              | 10,817              | 2,356              | 13,477             |               | 312              |           |             | 253         | ···       | 2,130   |  |
|            | fni                 | ction on account of lure of crops kharif lor cent.— {Chain 4 per cent.} {Barani 8 .,                                |          | 760                | 1,585               | 191                | 1,082              | •••           | 27               | č         | •••         | 20          |           | 170     | ***  |
|            | Bala                | nco   |          | 0,013              | 18,233              | 2,105              | 12,305             | •.,           | . 316            | 65        |             | 232         |           | 1,060   | •••  |
| •          | Barle<br>Cer<br>Gaw | ler deduction masi-<br>25 per cent.<br>25 per cent.<br>y und Sarson 5 per<br>nt.<br>ar charri und Car-<br>is whole. | 1        |                    | •••                 | •••                | 8,000              | •••           | ***              |           | <b></b>     |             | *         | <b></b> |  |
|            | Bala                | ance  | Mds {    | 9,013<br>11 seers. | 18,232<br>27 scers. | 2,105<br>30 secrs. | 0,20G<br>25 scers. | } {           | 915<br>11 secrs. | <b>55</b> |             | 233         |           | 1,960   | {  |
|            | Pric                | e   |          | 32,894             | 27,010              | 2,027              | 14,674             | ***           | 1,145            | 85        |             | 232         |           | 1,960   | 81,097                                       |
| -          | <u></u> -           |   | Area     | B,207              | 675                 | 217                | 346                | 31            | 31.7             | C-1       | δ           | 227         | 578       | 425     | 11,014                                       |
|            |                     | Chahi   | Rate     | 31                 | 5                   | 4                  | 21                 |               | 2]               | 20        | 20          | 12          | •••       | 10      |  |
| WAR.       | RESEAT.             |   | Produce  | 28,724             | 2,675               | <b>998</b>         | 885                | ,             | 769              | 1,020     | 100         | 2,724       |           | 4,210   | *  |
| BRUSAWAR.  | Chant Present.      |   | Area     | 41                 | 5,375               | 60                 | . 20               | 260           | 62               | 1         |             | 2           |           | 63      | 5,930  |
|            |                     | Baruni  | Rate     | 3                  | 4                   |                    | 21                 |               | . ²              | 30        |             | 12          |           | 10      | ***  |
|            |                     | <u> </u>  | Produce  | £8                 | 21,500              | 320                | 72                 |               | 124              | 30        |             | .24         |           | 630     |  |

### dix D-contd.

of Tahsil Bhusawar-contd.

| _ | 2-11-1-             | •                   | <del> </del>    |                  |         |                  |                 | Babi.     |        |        |             |          |         | ,      | <u></u>                       |  |
|---|---------------------|---------------------|-----------------|------------------|---------|------------------|-----------------|-----------|--------|--------|-------------|----------|---------|--------|-------------------------------|--|
|   | Wheat.              | Barloy,             | Gram,           | Bejar.           | Gochnl, | Gojra.           | Sarson tara.    | Tobacco.  | Рорру. | Zira,  | Vegetables. | Carrots. | Others, | Total, | Total both crops.             | Remisis,   |
|   |                     |                     |                 |                  |         | •••              |                 |           | .,     |        |             |          |         | •••    | •••                           |  |
|   |                     |                     |                 |                  |         |                  |                 |           |        |        |             |          |         |        |                               |  |
| _ |                     |                     |                 |                  |         | •••              |                 |           | 4.     |        |             |          |         |        |                               |  |
| - | ,,,                 |                     | 7               |                  |         | •••              |                 |           | •••    |        |             |          |         | 7      |                               |  |
| - |                     |                     | 3               |                  |         |                  |                 |           |        |        |             |          |         |        |                               |  |
| - |                     |                     | 21              |                  |         |                  |                 |           | ···    |        |             |          | ,,,     |        | •••                           |  |
| - | <i>;</i> ;          |                     | 8               |                  |         |                  | ٠               |           |        |        |             |          | 83      | 91     |                               |  |
| - |                     |                     | 3               |                  |         |                  | ***             |           |        |        |             |          | 10      | •••    |                               |  |
| - |                     |                     | 27              | ;"               |         |                  |                 |           |        |        |             |          | 820     |        |                               |  |
| - |                     |                     |                 |                  |         |                  |                 | ,,,       | •••    |        | <b></b> ,   |          |         | •••    |                               |  |
| - |                     |                     |                 |                  |         |                  | ***             |           |        |        |             |          |         |        | ***                           |  |
| - |                     |                     |                 |                  |         |                  | **              |           |        | •••    |             |          | ,       |        |                               |  |
| - | 1,197               | 2,230               | 22              | 15               |         | 67               | 45              | <b>63</b> | 137    | 820    | 49          | 165      | 08      |        |                               |  |
| - | 6,085               | 20,070              | 82              | 120              |         | <b>\$</b> 36     | 90              | 1,590     | 2,740  | 12,435 | 676         |          | 800     | ,,,    |                               |  |
|   | 359                 | 803                 | 8               | 5                |         | 21               | 3               | 61        | 110    | 404    | 23          |          | 71      |        | tet                           |  |
| - | 8,626               | 10,267              | 77              | 115              |         | 515              | 67              | 1,526     | 2,630  | 11,911 | £ 63        |          | 683     |        |                               | 482)   |
|   | ·                   | 963                 | ***             |                  | •••     |                  | 4               | ***       | ***    |        |             |          | •••     | ***    |                               | 1,33,709.<br>Chahl, Other.<br>R9,737 43,073<br>19,981 + 11,725 |
|   | 8,626.<br>21 seers. | 18,304<br>30 seers. | 77<br>30 seers. | 115<br>30 seers. | }       | 515<br>26 secrs. | 83<br>14 scers. | } 1,526   | 2,630  | 11,941 | £53         |          | 850     | .,,    |                               | State sbare  |
|   | 16,430              | 21,405              | 103             | 163              |         | 703              | 237             | 1,526     | 2,630  | 11,911 | £53         |          | £69     | 59,639 | 1,40,746<br>7,037<br>1,33,703 | Menial's dues.<br>Balance.                                     |
|   | 7,086               | 17,817              | 82              | 160              | 3       | 637              | 100             | £16       | 31     | 3,665  | 204         | 395      | 51      | 30,660 |                               |  |
|   | <u></u> 7⅓          | 9                   | 7               | 8                | 71      | 8                | :               | 30        | 20     | 15     | .12         |          | 10      |        |                               |  |
|   | 53,145              | 1,67,623            | 574             | 1,290            | 15      | 5,006            | 280             | 16,450    | 623    | 61,075 | 2,413       | -        | E40     |        |                               |  |
|   |                     | -                   |                 |                  |         |                  |                 |           |        |        |             |          |         |        |                               |  |
|   |                     | -                   |                 |                  |         | -                |                 | ***       |        |        | -           |          | ·       |        |                               |  |
| - | 1                   | 1                   | _               | -1               | -       | -                |                 | i         | 1      | 1      | 1           | 1        | j       | 1      | 1                             | 1  |

|                     |                        |                    |           |         | <u> </u> |         |          |               | Ku             | ariy.         |            |             |             |            |        |
|---------------------|------------------------|--------------------|-----------|---------|----------|---------|----------|---------------|----------------|---------------|------------|-------------|-------------|------------|--------|
|                     |                        | Soila.             | Details.  | Cotton. | Bıjra.   | Jawie   | Medua.   | Gamar charrl. | Til.           | Tobacco.      | Suzateane. | Veretables. | Carroin.    | Others.    | Total, |
|                     |                        |                    | Arca      | 516     | CC07,0   | 2,631   | 0:0      | 1,213         | 460            |               |            | 2           |             | 97         | 12,009 |
|                     | Спапт.                 | Former             | Rate      |         |          |         | 21       |               |                | •••           |            | 12          | <del></del> | <b>1</b> 0 |        |
|                     | 5                      |                    | Produce   | 1,032   | 27,000   | 10,721  | 2,417    |               | 920            |               |            | 24          | ••          | 970        |        |
| ļ                   |                        | · [                | Area      | B       | 22       | 2       |          |               |                | ***           |            | 2           |             | 2          | 23     |
|                     |                        | Chahi              | Rate      | 3)      | 5        | 4       |          |               | ***            |               |            | 12          |             | 10         | 427    |
|                     |                        |                    | Preduce   | . 29    | 110      | 6       |          |               |                |               |            | 21          | •••         | 20         |        |
|                     |                        |                    | Area      | 51      | 23       | 9       | 1        | 2             | :              |               |            | 3           |             | 3          | D3     |
| nucd.               | Chabi Sairab           | Chabi Sairaba      | Rate      | 31      |          | <u></u> |          |               | 2 <del>1</del> | <br>          |            | 12          |             | 10         |        |
| A.R.—corti          | Силиг, Запапа Рокепит. |                    | Produce   | 175     | 115      | 36      | 3        |               |                |               |            | 26          |             | 30         |        |
| BHU3AWAR—continued. | IAHI, SA               |                    | Area      |         |          |         | 1        |               |                |               |            | ,,,         |             |            | 73     |
| A                   | 5                      | Sairaba            | Rate      |         | 293      |         | 3        |               |                |               |            |             | ···         |            |        |
|                     |                        |                    | Area      |         | 72       |         | 1        |               |                | - <del></del> |            |             |             |            |        |
|                     |                        | Barani             |           |         | 4        |         | 21       |               |                |               |            |             |             |            |        |
|                     |                        |                    | Produce   |         | 253      |         | 3        |               |                |               |            |             |             |            |        |
|                     |                        |                    | Area      |         | 3        |         |          |               | `              | <u>.</u> .    |            |             |             |            | 3      |
|                     | Cha                    | ahi Sairaba former | Rate      |         | 4        |         |          |               |                | •••           |            |             |             | •••        |        |
|                     | Į.                     |                    | Produce   |         | 12       |         | •••      | •••           | •••            |               |            |             | •••         |            |        |
|                     |                        |                    | Area      |         | 1        |         |          | •••           |                |               |            |             |             |            | 1      |
|                     |                        | Khatili,           | Rate      |         | 4        |         |          |               | <del></del> -  | ***           |            |             | ·           |            |        |
|                     | -                      |                    | Prodoco   |         | ٤        |         |          |               | •••            |               |            |             |             |            |        |
|                     |                        |                    | Area      | . 39    | 890      | 591     | 152      | 126           | Z-G            |               |            | 111         |             | 1          | 1,354  |
| ,                   | ıę.                    | Salraba .          | Rate .    | 21      | 4        | 4       | 2}       |               | 21             |               |            |             |             | 10         |        |
|                     | Sairaba present.       | ·                  | Produce   |         | 1,500    | 2,864   | \$90     | <b></b>       | 140            | •••           |            |             |             | 10         |        |
|                     | Sairaba                | Barani             | Area      | -       | 122      | 272     | . 50     |               | 15             |               |            | 1           |             |            | 493    |
|                     |                        |                    | Produce . | . 2     |          | 810     | 2}<br>75 |               | · 2            | ***           |            | 12          |             |            |        |
|                     |                        | L                  |           |         | ] 003    | 810     | .75      | .**           | 23             | •••           |            | 13          |             |            |        |

| · • '       |         |        |        |         |            |              | Bibl        |         |                |             |           |            |         |                   | -      |
|-------------|---------|--------|--------|---------|------------|--------------|-------------|---------|----------------|-------------|-----------|------------|---------|-------------------|--------|
| Wheat.      | Barley. | Gram,  | Bejar. | Gochnl. | Gojra,     | gareon tara. | Tobacco.    | Poppy.  | Zlra,          | Vegetables. | Carrots,  | Others.    | Total,  | Total both crops. | Benter |
|             | 4 4     | 872    |        |         | •••        | 18           | ***         | , ***   | ;<br>;<br>•••• |             |           | 23         | 917     |                   |        |
|             | 43      | 3      |        |         |            | , 1          |             |         | !              |             |           | 10         |         |                   |        |
|             | 18      | 2,016  |        | **      |            | 18           |             |         | ;              |             |           | 230        |         |                   |        |
| 50          | 57      | . 3    |        |         | 3          | 2            | 13          |         | 22             | <b>2</b> 8  | <b></b> . | ·          | 177     |                   |        |
| 7 3         | ò       | 7      |        |         | 8          | 2            | 30          |         | 16             | , 12        |           |            |         | .,.               |        |
| 375         | 513     | 21     |        |         | 16         | 4            | 390         |         | 330            | 336         |           |            |         |                   |        |
| 012         | 918     | 69     | G4     | 82      | 275        | 20           |             | 7       | <b>C</b> 0     | 27          | 30        | 4          | 2,176   |                   |        |
| 8           | 0       | 7      | [8     | . 8     | 9          |              |             | 20      | 15             | 12          |           | 19         |         |                   |        |
| 4,806       | 8,262   | 476    | 511    | 656     | 2,175      | 40           |             | 110     | 1,035          | 324         |           | 40         | <u></u> |                   |        |
|             |         | ,      | · ···  |         | ·          |              |             |         |                |             |           |            | 4       |                   |        |
|             | ·       |        |        | ·       |            |              |             |         | <br>           |             |           |            |         |                   |        |
|             |         | 20     | ·      |         | ·          |              |             |         | •••            |             |           |            |         |                   |        |
|             |         | ;<br>; |        |         | •••<br>••• |              | ·           | ,<br>   |                |             |           |            | <b></b> |                   |        |
|             |         |        |        |         |            |              |             |         |                |             |           |            |         |                   |        |
|             |         | ·      |        | <b></b> |            |              | <br>        | <br>    |                |             |           |            |         |                   |        |
|             |         | 3      |        |         |            |              |             |         |                | ***         |           |            | 3       |                   |        |
| <del></del> |         | 3      | ····   |         |            | ′            |             |         | •••            |             |           | •••        |         | has               |        |
|             | 1       | 9      | '      | •••     | ,          |              |             | <b></b> |                |             | <b></b>   |            |         | •••               |        |
| 76          | 375     |        | 7      |         | 3          | 1            | <b>0,</b> 1 |         | ·-i            |             | <b>,</b>  |            | 402     | •••               |        |
| 4}          | 5       |        | Б      |         | Б          | 2            |             |         | •••            |             |           |            | ***     |                   |        |
| 312         | 1,975   |        | 35     | ***     | 16         | 2            |             |         |                | •           |           | <u></u>    |         |                   |        |
| 421         | 214     | 3,317  | 800    | 1,517   | 62         | 71           |             |         | 1              | 4           |           | <b>2</b> 3 | 7,459   |                   |        |
| 4}          | 5       |        |        | 5       | à          | 2            | , <b></b>   | •••     | 15             | 12          |           | 10         |         |                   |        |
| 1,691       | 1,070   | 21,555 | 4,030  | 7,595   | 410        | 112          |             |         | 15             | 49          |           | 26)        |         |                   |        |
| <br>        | <br>    |        |        | ***     | <b></b>    |              |             | ***     |                | •••         |           | <br>       |         | -                 |        |
|             |         |        |        | ·       |            |              |             |         |                |             |           |            |         |                   | ,      |
| `           | ••^     |        | •••    |         |            |              |             |         |                |             |           | 1.00       |         |                   |        |

|  |            |          |          | ,            |             |               | K            | MARIY.           |                   |             |          |            |          |
|--|------------|----------|----------|--------------|-------------|---------------|--------------|------------------|-------------------|-------------|----------|------------|----------|
| Soils.   | Detaiis.   | Cotton,  | Dajra.   | Jawar.       | Masing.     | Gawar charrl. |              | Товасев.         | Sugarcane,        | Vegetables. | Carrots. | Others.    | Total.   |
|  |            |          |          |              |             |               | <u></u> _    | _ <del>F</del> _ | <del>- ".</del> — | <del></del> |          | . <u> </u> |          |
|  | Area       | 13       | 110      | 62           | 18          | 17            | 10           |                  |                   |             |          |            | 233      |
| airaba former {  | Rate       | 2        | 21       | 3            | 21          |               | 2            |                  |                   |             |          | ·          |          |
| į  | Produco    | 26       | 203      | 150          | 45          | •••           | 39           |                  |                   | •••         | •••      | •••        |          |
|  | Area       | 32       | 113      | 36           | 10          | 4             | 1            |                  |                   |             |          |            | 203      |
| Sairaba Barishi  | Rate       | 2        | 2]       | 3            | :1          |               |              | ,                |                   |             | •••      |            | <b></b>  |
|  | Produce    | 61       | 262      | 108          | 49          |               | 2            |                  |                   |             |          |            |          |
|  | Area       | 321      | 23,170   | 23,900       | 21,619      | 6,711         | 2,001        |                  |                   |             |          | 351        | 81,427   |
| Barani   |            |          |          |              | 23          |               |              |                  |                   |             |          | 10         |          |
| Barani   |            |          |          |              |             |               |              |                  |                   |             |          |            |          |
|  | Produce    | 012      | 70,417   | 71,970       | 61,020      |               | 5,094        |                  |                   |             |          | 3,510      |          |
|  | Area       | 21       | 5,511    |              | 0,8 X)      | 757           | 250          |                  |                   |             |          | 25         | 13,722   |
| Bhur   | Rate       | 1}       | 2        |              | 1}          |               | 1}           |                  |                   |             |          | 10         |          |
|  | Produce    | 36       | 11,052   | 453          | 10,335      |               | 391          | •••              | 1                 | •••         | •••      | 290        | ••       |
|  | Area       | 9,255    | 47,597   | 29,160       | 30,314      | 0,219         | 4,171        | CS               | 5                 | 237         | £52      | 973        | 1,30,632 |
| Totai  | Produce    | 30,015   | 1,37,126 | 87,012       | 965,89      |               | B,397        | 1,050            | 100               | 2,811       |          | p,720      |          |
| Deduction for failure of crops Kharif. 8 per cen Rabi Chahi 4 per cen Barani 8 per cen               | 11         | 2,473    | 10,070   | 7,036        | 5,611       | ***           | 672          | 158              | 8                 | 229         | ***      | 777        |          |
| Balance  |            | 28,412   | 1,26,156 | 80,006       | 63,395      |               | 7,725        | 1,791            | 92                | 2,616       |          | 6,013      |          |
| Fodder deduction masina 25 pc<br>cent<br>Barley sarson Gawar-<br>charri and Carrots { 5 pc<br>whole, | 17         |          |          |              | 15,840      |               | •••          | •                | ***               |             | •••      |            |          |
|  | Mds        | 1        | 1,26,156 | 80,906       | 47,539      | ***           | 7,725        | 1,701            | 02                | 2,616       | •••      | 8,943      | ,        |
| Balance  | Rate per R | 800rs.   | scers.   | 80078.<br>30 | Feers<br>25 |               | seers.<br>11 |                  | •••               |             |          | •          |          |
| Price  |            | 1,03,425 | 1,66,597 | 1,07,874     | 76,062      |               | 29,000       | 1,791            | 02                | 2,616       | ••       | 8,013      | 6,25,793 |
| •  |            |          |          |              |             |               |              |                  | -                 |             |          |            |          |
|  |            |          | -        |              | -           |               |              |                  |                   |             |          | ,          |          |

|                  | <u> </u>           |                  |                 | •       | <del></del>     |              | <del>,</del> | Radi.  | ,      | 1           | ·        |         |                  |                                | - <sub>1</sub>         |
|------------------|--------------------|------------------|-----------------|---------|-----------------|--------------|--------------|--------|--------|-------------|----------|---------|------------------|--------------------------------|------------------------|
| Wheat.           | Barley,            | Gram.            | Bejar.          | Gochul. | Gojra,          | Earson tara, | Tobacco.     | Poppy. | Zira.  | Vegetables. | Carrots. | Others. | Total,           | Total both crops.              | Rema by                |
| <b></b>          | 26                 |                  | •••             |         | •••             |              | •••          |        | ***    |             | •••      | •••     | 29               | ,                              |                        |
|                  | 3                  |                  |                 |         |                 |              | ***          |        |        |             |          |         |                  |                                |                        |
| `                | 78                 |                  | •••             |         |                 | •            | -            |        |        |             | ·        |         |                  |                                |                        |
|                  | 11                 | 143              | 4               |         |                 |              |              | •••    |        |             |          |         | 153              |                                |                        |
|                  | 4                  | 3                | 3               |         |                 |              |              |        |        |             |          |         |                  |                                |                        |
|                  | 44                 | 429              | 12              |         |                 |              |              |        |        |             |          |         | •                |                                |                        |
| ,,,              | 1                  | 3,690            |                 |         |                 |              | •••          |        |        |             |          | 065     | 4,662            |                                |                        |
|                  | 4                  | з                |                 |         |                 |              |              |        |        |             |          | 10      |                  |                                |                        |
|                  | 4                  | 11,088           |                 |         |                 |              |              |        |        |             |          | 0,050   |                  |                                |                        |
| .,,              | ,,,                |                  |                 |         |                 |              |              |        | •••    |             |          | 10      | 10               |                                |                        |
|                  | ***                | ···.             |                 |         | ,               |              |              |        |        |             |          | 10      |                  |                                |                        |
| .,.              |                    |                  | •••             |         |                 |              |              |        |        | 1           | •••      | 100     | *                |                                |                        |
| 8,245            | 19,427             | 9,214            | 1,011           | 1,601   | 009             | 302          | 629          | 39     | 3,757  | 263         | 416      | 1,092   | 46,914           |                                |                        |
| 60,652           | 1,72,409           | 36,596           | 5,001           | 6,256   | 8,012           | 590          | 15,870       | 760    | 50,355 | 3,156       |          | 10,620  | 10-1             |                                |                        |
| 2,502            | 6,912              | 2,009            | 397             | 631     | 837             | 30           | 635          | 30     | 2,255  | <b>12</b> 9 | •••      | 613     | 10-1             | •••                            |                        |
| 59,150           | 1,65,467           | 33,997           | 5,504           | 7,022   | 7,075           | 536          | 15,235       | 730    | 61,100 | 3,029       |          | 9,07S   |                  |                                |                        |
| ***              | 8,273              |                  |                 | •••     |                 | •••          | 27           | •••    | •••    |             | •••      | •••     | ***              |                                |                        |
| 68,169<br>seers. | 1,57,194<br>scers. | 33,967<br>scers. | 5,501<br>scers. | 7,622   | 7,075<br>scers. | £29          | 15,213       | 730    | 51,100 | 3,025       |          | 0,073   |                  |                                |                        |
| 21               | 30                 | 30               | 30              |         |                 |              |              |        |        |             |          |         |                  |                                |                        |
| 1,10,771         | 2,09,592           | 45,316           | 7,339           | 11,727  | 11,805          | 1,511<br>——— | 15,235       |        | 001,13 | 3,029       |          | 9,978   | 4,71,13:         | 9,96,927                       |                        |
|                  |                    |                  |                 |         |                 |              |              |        |        |             |          |         | Menials.<br>due. | 47,510                         |                        |
|                  |                    |                  |                 |         | •               |              |              |        |        |             |          |         | Balance          | 9,47,691<br>Chabl.<br>4,51,711 | Other.<br>4,57,370     |
|                  |                    |                  |                 |         |                 |              |              |        |        |             |          |         | State<br>Share   | 1,79,259<br>#                  | + 1,21,132<br>2,39,731 |

### GLOSSARY OF VERNACULAR TERMS.

### [Bhabatpur report.]

### B

| Bachh or dh   | anl baohh | •••   | Method of distributing revenue.   |
|---------------|-----------|-------|---|
| Bajra         | •••       | •••   | Spiked millet.  |
| Band          | •••       | •••   | Irrigation dam.   |
| Banjar        | •••       | ***   | Waste land.   |
| Barani        | •••       | •••   | Dry, unirrigated land dependent on rain.  |
| Barha         | ***       | •••   | A revonue on the oxcess area found in the possession of a mafidar.                              |
| Baroja        | •••       | •••   | 20 to 40 palis takon together.  |
| Batai         | •••       | •••   | Weighment of the gathered grain. Rent in kind.  |
| Bejar         | •••       | •••   | Gram and barley mixed.  |
| Ber           | •••       | •••   | A wild plum.  |
| Bhait or naza | ar        | •••   | A present or offering from inferior to superior.  |
| Bhayachara    | •••       | ***   | Land held by possession without reference to shares.  |
| Bhnr          | •••       | •••   | Sandy land.   |
| Bigha         | •••       | ···   | A measure of land equal to 5th of an acre.  |
| Bigheri       | ***       | •••   | Rent per bigha.   |
| Bihar.        | ***       | •••   | Sandy upland covered with dense jungle.   |
| Biswa         | ***       | ***   | A measure of land $=\frac{1}{20}$ th of a bigha. A share in a village or estate.                |
| Biswadari     | •••       | •••   | Right to property or share in an estate.  |
| •             |           |       |   |
|               |           |       | C   |
| Chahor        | •••       | ***   | Stiff blackish clay usually fortile.  |
| Chahi         | •••       | ***   | Land irrigated from pukka or kacha wells.   |
| Chakk         | •••       | •••   | An assessment circle.   |
| Chakiri       | •••       | ***   | Sorvice.  |
| Chanda        | •••       | . 415 | Contribution or present to some religious institution.  |
| Charri        | •••       | •••   | Jawar sown close.   |
| Chauth        | •••       | •••   | A form of tennro in which the landholder pays one-fourth of the assets to the State as revenue. |
| Cháwila       | •••       | •••   | A small grain.  |
| Chhnt         | •••       | •••   | A reduction of revenue.   |
| Choha         | •••       | 711   | A holo dug in the sand.   |
|               |           |       | D   |
| Dahr          | •••       | -47   | A depression.   |
| Dastak        | ***       | •••   | A writ of demand.   |
| Dahri         | •••       | •••   | Naturally flooded land.   |
| Dam           | •••       | •••   | A coin=1 Re.  |
| Dami          | •••       | •••   | Patwar cess.  |
| Dhenkli       | •••       | •••   | Small and tomporary kacha woll, which lasts only one harvest.                                   |
| Dher (kacha   | well)     | •••   | A temporary well, made without masonry.   |
| Diwan         | •••       | •••   | A minister of Stato.  |
| Dofasli       | ***       | •••   | Donblo cropping.  |
| Durbar        | •••       | •••   | Administration of a Nativo State.   |
|               |           |       | п—60  |

### G

|             |        |         | <del>-</del> -   |  |  |  |  |  |
|-------------|--------|---------|--|--|--|--|--|--|
| Gandar      |        |         | Thatching grass—grows in low marshy lands.                                     |  |  |  |  |  |
| Gawar       | •••    | 211     | A coarso grain grown for foddor.   |  |  |  |  |  |
| Gharra      | ***    | ***     | An earthen pot for carrying water.   |  |  |  |  |  |
| <b>G</b> hi | •      | (       | Clarified butter.  |  |  |  |  |  |
| Goehni      | •••    | ***     | Wheat and gram mixed.  |  |  |  |  |  |
| Gojra       | •••    | ***     | Wheat and barley mixed.  |  |  |  |  |  |
| Gol         | •••    | •••     | Nover regularly partitioned; joint.  |  |  |  |  |  |
|             |        |         | Н  |  |  |  |  |  |
| Hakk muke   | ıddami | •••     | $\Delta$ percentage by the State to lambardars on the revenue paid in by them. |  |  |  |  |  |
| Honna or m  | ehndi  | •••     | A plant, the leaves of which are used for dycing hands, nails, etc.            |  |  |  |  |  |
|             |        |         | I  |  |  |  |  |  |
| Inam        | ***    | •••     | A grant from the State.  |  |  |  |  |  |
| Istamrar    | 444    | •••     | Pormanently settled.   |  |  |  |  |  |
| Twaz khidn  |        | •••     | Commutation for service.   |  |  |  |  |  |
| THOS KINDS  | ,      | •••     | J  |  |  |  |  |  |
|             |        |         |  |  |  |  |  |  |
| Jagir       | ***    | ***     | Assignment of land rovenne.  |  |  |  |  |  |
| Jagirdar    | ***    | ***     | One who holds a jagir.   |  |  |  |  |  |
| Jaidad      | ***    | ***     | Khalsa assessment assigned to persons of position.                             |  |  |  |  |  |
| Jama        | •••    | •••     | Land revenue assessment.   |  |  |  |  |  |
| Jawar       | ***    | •••     | Groat millet (Sorghum vulgare).  |  |  |  |  |  |
| Jhalar      | •••    | ***     | A small well dng on the banks of streams or tanks for ntilising their water.   |  |  |  |  |  |
|             |        |         | K  |  |  |  |  |  |
| Kadim       |        |         | Culturable waste.  |  |  |  |  |  |
| Kallar      | •••    | ***     | Clayoy soil impregnated with saline matter.                                    |  |  |  |  |  |
| Kankút      |        | •••     | Appraisement of the yield of the standing crops.                               |  |  |  |  |  |
| Kánsa       | •••    | • • • • | A maintenance grant.   |  |  |  |  |  |
| Katha       | ***    | 497     | Catechn.   |  |  |  |  |  |
| Karbi       | 499    | •••     | Dried bajra stalks.  |  |  |  |  |  |
| Kangiari    | ***    | •••     | Smut.  |  |  |  |  |  |
| Kasba       | •••    | 19      | A town.  |  |  |  |  |  |
| Khalsa      | *** '  | •••     | Revenue realised by State as opposed to revenue due to assignees.              |  |  |  |  |  |
| Kham (ta    | hsil)  | ***     | Direct management of ostates by tahsil,  |  |  |  |  |  |
| Khara       | ***    | •••     | Bitter (water).  |  |  |  |  |  |
| Kharif      | •••    | ***     | The autumn harvest.  |  |  |  |  |  |
| Khatauni    | •••    | ***     | A register of cultivating holdings.  |  |  |  |  |  |
| Khewat      | •••    | •••     | A register of proprietary holdings.  |  |  |  |  |  |
| Khndkasi    | ht     | •••     | Cultivation carried on by the owner himself.                                   |  |  |  |  |  |
| Kungi       | •••    | •••     | Rust.  |  |  |  |  |  |
|             | •      |         | L.   |  |  |  |  |  |
| Lag pund    | hri    | •••     | A tax levied on the grazing of goats and camels.                               |  |  |  |  |  |
| Lakh        | ***    | •••     | One hundred thousand.  |  |  |  |  |  |
| Lambard     | ar     | • • •   | A villago headman.   |  |  |  |  |  |
| Lao         | ***    | •••     | A well rope.   |  |  |  |  |  |
| Lawaris     | ***    | ***     | Unclaimed.   |  |  |  |  |  |
|             |        |         | •  |  |  |  |  |  |

### M

Mafi Assignment of land revenue. Mafidar Holder of a mafi. A cess for defraying village expenses. Malba Malikana\* A rent chargo paid to proprietors over and above the Profit rent. revenne. Brackish (water). Malmala Man A measure of weight=822 lbs. Moth or mung mixed with jawar, bajra, til, etc. Masina The country of Meos. Mowat A pulso (Phasèolus acantifolius). Moth Lambardari dues. Mujrai A pulse (Phaseolus mungo). Mung ... An official who supervises Patwari's work. Munsarim or kanungo N Nadi A small stream. Nala A drainage line or channel of a river. Childless. Nath rule being a rule by which (grants of) land belonging to childless persons was resumed by the State. Nath Money grant from State to lambardars, etc. Nankar or chakiri Snms paid by revenue assignees to the State in recognition of their Nazarana grant. Nikasi Net assets. P Cultivation carried on by outside tenants. Pahi kasht Dwarf ber used for fodder. Pala. A double row of light sticks, up which tho pan plant is trained like Pali a creeper. A revenue sub-division. Pargana Pan Betel leaf. Well made of loose stone, generally undressed and without mortar. Pathraura A written lease. Patta A division of a village. Patti Land held by shares ancestral or customary. Pattidari Villago accountant. Patwari A building made of burnt brick or stone. Pukka A Brahmin priest. Purchit A sheaf. A high jungle grass. Pula Grant to temples or other religious and charitable institutions. Pun arth Spring harvest. Rabi Fuel and fodder reservo belonging to the State. Rund An official who enpervises Munsarim's work. Sadar munsarim Flooded land. Sairaba Bikrami era of Hindus beginning 57 B.C. Sambat An oilseed. Sarson or sarshaf

Sarkanda or kans ... Junglo grass.

Ser ... A measure of weight=2 lbs. (40 secrs=a maund).

Singhara ... Water-nut.

Solah ketris ... 16 houses allied to the ruling family of Bharatpur, being all descended from Badan Singh, the founder of the State.

Takavi ... An advance by the State for agricultural purposes.

Talbana ... Process fee.

Tamboli ... A vendor of pan or a grower of pan.

Tara mira ... An oilseod.

Thakur ... A general name for Rajput landholders,

Thoka ... A contract or lease.

Til ... An oilseed (Sesamum orientale).

W

Wajib-ul-arz ... Villago administration paper.

Z

Zahti ... Cash rent per bigha.

Zamindar ... A landholder.

Zamindari bilijmal ... Land held by a body of owners.

Zamindari khalis ... Land held by a single owner.

Zira ... Cumin seed.

No. 3961, dated the 8th August 1900.

From-The Political Agent, Eastern Rajputana States,

To-The First Assistant to the Agent to the Governor-General in Rajputana.

In continuation of correspondence ending with your No. 1890-G., of 5th May 1900, I have the honour to invite a reference to the assessment report of the four southern tahsils, Rupbas, Oochain, Biyana and Bhusawar of the Bharatpur State recently written by the Settlement Commissioner, Alwar and Bharatpur An advance copy of this report has, I understand from Mr. M. F. O'Dwyer, been forwarded direct to you for the information of the Honourable the Agent to the Governor-General.

- 2. The Bharatpur State Council has discussed with me the various point s on which orders are required by the Settlement Commissioner, no ted in paragraph 137 of the report. The proposal made in paragraph 59-A to remit the sum of Rs. 5,05 639 out of total arrears, from 1890-91 up to date, of Rs. 6,24,139 leaving only Rs. 1,18,500 to be recovered from these tahsils, seemed to the Council so very lenient including as it did a remission of nearly three-fourths out of a suspension of revenue made only last October, that they hesitated to adopt this suggestion, fearing that such liberal remissions of arrears, as had been made during the course of the settlement capped by the remission of a large portion of the recent suspension, would have the effect of encouraging the zem indars to accumulate arrears in the hope that a ter a few years such arrears would again be wiped out as irrecoverable and that such action taken with regard to the four tahsils under reference, would involve similar action in the other tahsils of the S tate.
- 3. In response to a telegram from me bringing the doubts enter tained by the Council to Mr. O'Dwyer's notice, he has suggested that a certain amount of the arrears—the amount to be fixed by him before giving out the new assessment—should be realised by instalments. This amount will probably be larger than proposed in paragraph 59 of his report. The rest of the arrears should not be formally remitted, but should remain in arrears to be collected in whole or in part, if future harvests allow. The remaining tahsils to be similarly treated.
- 4. The Council, though they consider that this suggestion practically arrives at the same end as that proposed in paragraph 59, yet see that it does not hold out the same encouragement to zemindars to accumulate arrears, and at their request I have telegraphed to the Settlement Commissioner saying they agree to his proposal.
- 5. The Council and I agree to all the other proposals made by the Settlement Commissioner and noted in paragraph 137 of his report. We would suggest that the dates of revenue instalments might be fixed in the Hindi rather than the English calendar, as the former is better understood and more familiar to the zemindars than the latter.
- 6. The Council desire again to place on record their keen sense of the obligation the State owes to Mr. O'Dwyer for the untiring energy, perfect sympathy and admirable thoroughness which he has bestowed upon the work of the settlement of this State.

No. 3539-G., dated Abu, the 17th August 1900.

From-The Hon'ble Lieutenant-Colonel W. H. C. Wyllie, C.I.E., Agent to the Governor-General in Rajputana,

To-The Secretary to the Government of India, Foreign Department.

With reference to the correspondence ending with Foreign Department letter No. 1749 I.A., dated 23rd April 1900, regarding the current settlement operations in the Bharatpur State, I have the honour to submit, for the informa-

Assessment Report, dated 12th July 1900, by the Settlement Commissioner, Mr. M. O'Dwyer, C. S.

Letter No. 3961, dated 8th August 1900, from the Political Agent, Eastern Rajputana States.

\* Rupbas, Oochain, Biyana, and Bhusawar.

tion and orders of the Government of India, a copy of the papers noted in the margin, which contain Mr. O'Dwyer's proposals for the assessment of the remaining four tahsils\* and the jagir of Ballabgarh, and the views expressed thereon by the Political Agent and the State Council.

2. The system followed in the re-assessment of these tahsils is practically the same as that observed for the eight tahsils which have been settled, and calls for no further description.

3. Mr. O'Dwyer's recommendations are summarised in paragraphs 121 and 122 of his report, and are compared with the present khalsa demand in the table below :--

|              | Tahsils. |     |          | Proposed jama. | Increase or<br>decrease, | Incidence per<br>bigha. |    |    |
|--------------|----------|-----|----------|----------------|--------------------------|-------------------------|----|----|
|              |          |     |          |                |                          | Rs.                     | Α, | P. |
| Rupbas       | •••      | ••• | 1,05,855 | 1,11,000       | + 5,145                  | 1                       | 4  | 8  |
| Oochain      | 4 • •    | ••• | 1,72,705 | 1,87,000       | + 14,295                 | 1                       | 8  | o  |
| Biyana       | •••      | ••• | 2,05,972 | 2,17,000       | + 11,028                 | 3                       | 7  | 10 |
| Bhusawar     |          | ••• | 2,36,480 | 2,36,000       | <b>—</b> 480             | 1                       | 5  | 3  |
| Jagir of Bul | labgarh  | ••• | 34,643   | 36,000         | + 1,357                  | 1                       | 10 | 3  |
| r            | Total    | ••• | 7,55,655 | 7,87,000       | 31,345                   | I                       | 7  | 2  |

4. The total increase proposed is Rs. 31,345 or 4 per cent.; but if the proposed khalsa demand, which includes the water-rates and certain cesses, is compared with the present khalsa demand plus the water-rates and cesses now levied aggregating Rs. 7,84,151, the net increase is only Rs. 2,849 or 5 per cent. This enhancement is small, but the Settlement Commissioner considers (vide paragraph 123 of his report) that his assessment is fair both to the State and to the cultivator and the State Council concur in this opinion.

Mr. O'Dwyer adds that the figures given by him are only approximate, and that when the village assessments are announced, the total demand may vary by 1 or 2 per cent.

5. Mr. O'Dwyer's proposals for the abolition of miscellaneous cesses (paragraph 110), the assessment of sairaba lands (paragraph 116), the taxation of mango and other fruit trees (paragraph 80), the leasing of culturable waste (paragraph 74), the rates of Malba and for the term of settlement (paragraph 121) (which will be 20 years as in the other tahsils) are all accepted by the State Council. The Council also approve of the alterations in the dates of payment of the revenue instalments recommended by the Settlement Commissioner (paragraph 127). The suggestion made in the 5th paragraph of the Political Agent's

covering letter No. 3961, dated 8th August 1900, that the dates of payment should be fixed according to the Hindi calendar will doubtless receive Mr. O'Dwy er's consideration.

6. If Mr. O'Dwyer's present proposals are sanctioned, the aggregate enhancement of revenue in the twelve tahsils (including the jagir of Ballabgarh) into which the State is divided will be as follows :-

| · · · · · · · · · · · · · · · · · · · |        |       |     |                |           |           |
|---------------------------------------|--------|-------|-----|----------------|-----------|-----------|
| ,                                     |        |       |     | Former demand. | Present.  | Increase. |
|                                       |        |       |     | Rs.            | Rs.       | Rs.       |
| Northern t                            | ahsils | •••   | ••• | 6,40,325       | 7,35,093  | 94,768    |
| Central                               | "      | •••   | ••• | 5,08,416       | 5,64,720  | 57,304    |
| Southern                              | "      | •••   | ••• | 7,55,655       | 7,87,000  | 31,345    |
|                                       |        | Total | ••• | 20,86,813      | 19,04,396 | 1,82,417  |

an increase of Rs. 1,82, 417 or 91 per cent.

7. The only point on which the State Council have expressed a difference of opinion from that held by the Settlement Commissioner is in connection with of opinion from that need by the Settlement Commissioner is in connection with the remission of arrears of revenue. The total arrears in the four tahsils since 1890-91 to 1899-1900 amount to Rs. 6,24,139. Of this sum the Settlement Commissioner recommends (paragraph 59-A) the remission of Rs. 5,05,639, leaving only Rs. 1,15,500 to be realised. But in view of the fact that of the large amount of Rs. 13,60,052 (which formed the outstanding arrears up to the year 1890-91) a sum of Rs. 8,63,490 representing the total arrears prior to the last settlement have lately been remitted (paragraph 52) and that the further remission now proposed includes nearly 3 of the revenue

\* Vide paragraph 2 of Political Agent's letter No. 3961, dated 8th August 1900.

suspensions made last October, the State Council are inclined to think that Mr. O'Dwyer's proposals are too liberal, and may demoralize the cultivators.

Mr. O'Dwyer has since suggested that a certain proportion of the arrears, the exact amount of which will be fixed by him before the new assessment is announced, should be realised by instalments, and that the question of the recovery or remission of the balance might be decided hereafter, the arrears of 1899-1900 in the other tahsils being similarly treated. The State Council have accepted this proposal, which appears to be sound,

- 8. In order to finish settlement operations during the approaching cold season, and to enable the new revenue demand to be introduced at the next kharif harvest, of which the first instalment will be collected between the 15th and 30th of November, Mr. O'Dwyer asks that the approval of the Government of India to his present recommendations may, if possible, be conveyed at a very early date. As they have been accepted by the State Council and by the Political Agent, I have no hesitation in recommending their being sanctioned.
- 9. Mr. O'Dwyer's able and interesting report evidences the great care and tact with which he has completed the settlement, and I trust that I may be permitted to say that his work merits the approbation of the Government of India. ٠. 11.4

Telegram, No. 3645-G., dated Abu, the 23rd August 1900.

From—The Honourable the Agent to the Governor-General in Rujputana,
To—The Foreign Secretary, Simla.

Reference paragraph 8 my letter 3539-G., dated August 17th. Bharatpur settlement have authorized O'Dwyer to announce proposed assessments subject to modification if Government so order, trust my action may be approved.

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